# MVC-FD73

# SERVICE MANUAL

Self Diagnosis Supported model

**Ver 1.3 1999.12**
**with SUPPLEMENT-1**
**(9-974-152-81)**

*US Model*
*Canadian Model*
*AEP Model*
*UK Model*
*E Model*
*Australian Model*
*Chinese Model*
*Hong Kong Model*
*Brazilian Model*
*Tourist Model*

Digital
Mavica

## Differences Manual

This Service manual covers only differences from the MVC-FD71.
In performing repair, refer also to MVC-FD71 Service Manual (9-974-076-XX)

- **Main differences**
  Addition of FU-134 board.
  Deletion of Manual focus switch block.
- **Change of board names**
  CD-196 board → CD-227 board
  FC-66 board → FC-69 board
  PK-43 board → PK-46 board
  RL-50 board → RL-53 board

(SEE PAGE □□): Pages on the original service manual.
☞ : Points added parts
☛ : Points deleted parts
▨ : Points changed parts

## DIGITAL STILL CAMERA

MICROFILM

SONY®

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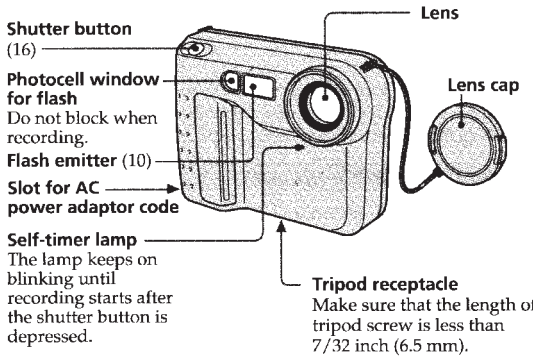
SECTION 1
GENERAL

This section is extracted from MVC-FD73 instruction manual.

# Parts identification

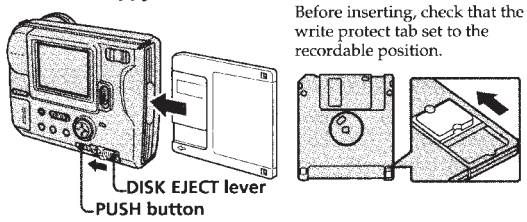
See pages in ( ) for more details.


Lens
Shutter button (16)
Lens cap
Photocell window for flash
Do not block when recording.
Flash emitter (10)
Slot for AC power adaptor code
Self-timer lamp
The lamp keeps on blinking until recording starts after the shutter button is depressed.
Tripod receptacle
Make sure that the length of the tripod screw is less than 7/32 inch (6.5 mm).

### To insert the floppy disk

**Insert the floppy disk until it clicks.**

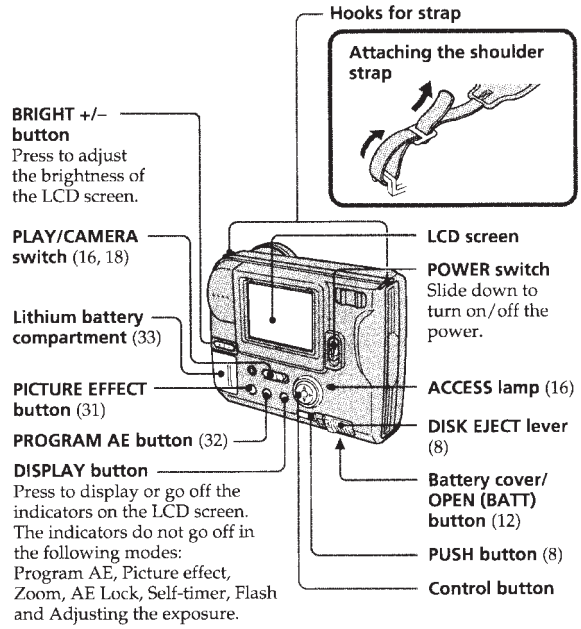
Before inserting, check that the write protect tab set to the recordable position.

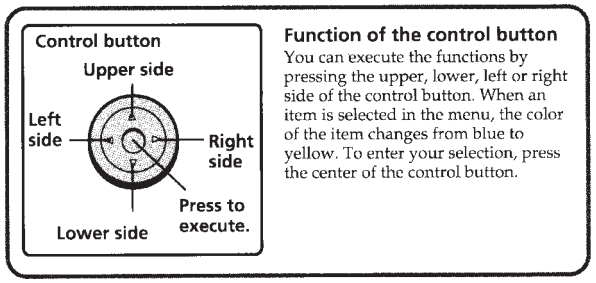



**To remove the floppy disk**

While pressing PUSH, slide DISK EJECT in the direction of the arrow.




Hooks for strap
Attaching the shoulder strap
BRIGHT +/– button
Press to adjust the brightness of the LCD screen.
PLAY/CAMERA switch (16, 18)
LCD screen
POWER switch
Slide down to turn on/off the power.
Lithium battery compartment (33)
PICTURE EFFECT button (31)
ACCESS lamp (16)
PROGRAM AE button (32)
DISK EJECT lever (8)
DISPLAY button
Press to display or go off the indicators on the LCD screen. The indicators do not go off in the following modes: Program AE, Picture effect, Zoom, AE Lock, Self-timer, Flash and Adjusting the exposure.
Battery cover/ OPEN (BATT) button (12)
PUSH button (8)
Control button



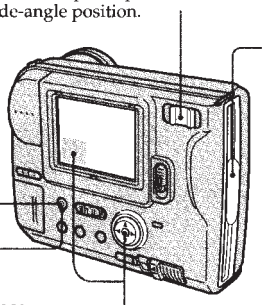

### Function of the control button

You can execute the functions by pressing the upper, lower, left or right side of the control button. When an item is selected in the menu, the color of the item changes from blue to yellow. To enter your selection, press the center of the control button.



**Zoom lever**

"T" side: for telephoto (subject appears closer)
"W" side: for wide-angle (subject appears farther away)
Move the zoom lever to the "W" side until the focus is sharp.
You can shoot a subject that is at least about 3 1/4 feet (about 100 cm) away from the lens surface in the telephoto position, or about 1/2 inch (about 1 cm) away in the wide-angle position.




**Flash button**

AUTO is set at the factory.
Each time you press the button, the flash mode changes as follows:
AUTO (no indication) → forced-flash ⚡ → no flash ⊘ → AUTO

In AUTO mode, the flash goes off automatically according to the brightness of the surroundings.
The subject must be 1 5/8 feet to 8 1/3 feet (0.5 m to 2.5 m) away.
When you record using the flash and conversion lens (not supplied), an eclipse may occur.

**Self-timer**

Select "⏲" with the control button, then press it.
About 10 seconds after you press the shutter button, the subject is recorded.

**Exposure**

Select "+EV" or "–EV" on the LCD screen with the control button, then press it to select the desired value.

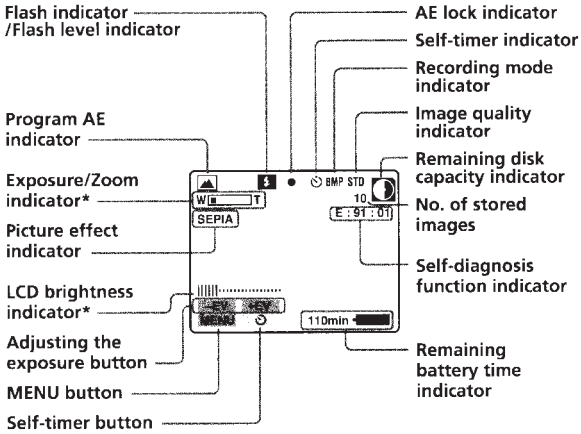
+EV: To raise the exposure value (brighten the picture)
–EV: To lower the exposure value (darken the picture)

Adjustable in a range of –1.5 EV to +1.5 EV in steps of 0.5 EV.



## The indicators during recording

The indicators on the LCD screen are not recorded.




* Only displayed during operation.

## Functions you can use for image recording

Adjusting the brightness of the LCD screen (p. 9)
Flash (p. 10)
Zoom (p. 10)
Self-timer (p. 10)
Adjusting the exposure (p. 10)
Picture effect (p. 31)
PROGRAM AE function (p. 32)
Selecting the recording mode – REC MODE (p. 23)
Selecting the image quality – QUALITY (p. 25)
Selecting the flash level – FLASH LEVEL (p. 25)
Selecting the file numbering mode – FILE NUMBER (p. 25)

### Items for both CAMERA and PLAY modes

#### DISK TOOL <FORMAT/DISK COPY>

- Select FORMAT to format the floppy disk loaded in the camera.
- Select DISK COPY to copy all data stored in a floppy disk to another.

**To format a floppy disk**

**Select "FORMAT", then "OK".**
"FORMATTING" will be displayed. Once formatting is completed, the message "FORMATTING" is disappeared.

**To copy all data stored in a floppy disk to another**

1 **Select "DISK COPY", then "OK".**
"FILE ACCESS" will be displayed.
2 **When "CHANGE FLOPPY DISK" is displayed, eject the floppy disk.**
3 **When "INSERT FLOPPY DISK" is displayed, insert another disk.**
"DISK ACCESS" will be displayed.
4 **Once copying is completed, the message "COMPLETE" is displayed.**

**Notes**

- In the middle of the above steps from 1 through 4, turn off the camera.
- Formatting erases all information on the floppy disk, and with copying disk, all information saved on the recipient floppy disk are erased to be replaced by newly written data including the protected image data. Check the contents of the disk before formatting and copying disk.
- Be sure that the battery is fully charged when formatting and copying a floppy disk. Formatting and copying takes about 1 minutes maximum.
- Be sure to use the formatted floppy disk to carry out DISK COPY.





⇨ Changing the mode settings

#### BEEP <ON*/OFF>

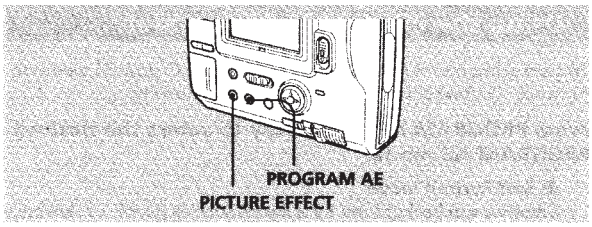
- Normally select ON.
- Select OFF to turn the beep sound off.

#### CLOCK SET

Select this item to set the date and time. See page 13.



# Using various functions for recording




## Enjoying Picture Effect

**Press PICTURE EFFECT repeatedly to select the desired picture effect mode.**

**NEG. ART:** The color and brightness of the picture is reversed.
**SEPIA:** The picture is sepia.
**B&W:** The picture is monochrome (black and white).
**SOLARIZE:** The light intensity is more clear, and the picture looks an illustlation.

**To cancel picture effect**

Press PICTURE EFFECT repeatedly until the indicator on the LCD screen goes out. When you turn the power off or set PLAY/CAMERA to PLAY, the picture effect is automatically cancelled.





| Symptom | Cause and/or Solution |
|---|---|
| Zoom does not work. | • Panfocus mode in PROGRAM AE is working. → Cancel it. (p. 32) |
| You cannot play back the images. | • PLAY/CAMERA is not set to PLAY. → Set it to PLAY. (p. 18)<br>• The battery is dead. → Use a charged battery pack. (p. 11, 12) |
| You cannot delete an image. | • The image is protected. → Cancel the protection of the image. (p. 26) |
| The power turns off automatically. | • If you leave the camera inactive in CAMERA mode for about 3 minutes while the power is on, it turns off automatically to prevent wearing down the battery. → Turn the power on. (p. 16) |
| The image is out of focus. | → Select Panfocus mode in PROGRAM AE when shooting in a dark place which is difficult to focus on. (p. 32) |

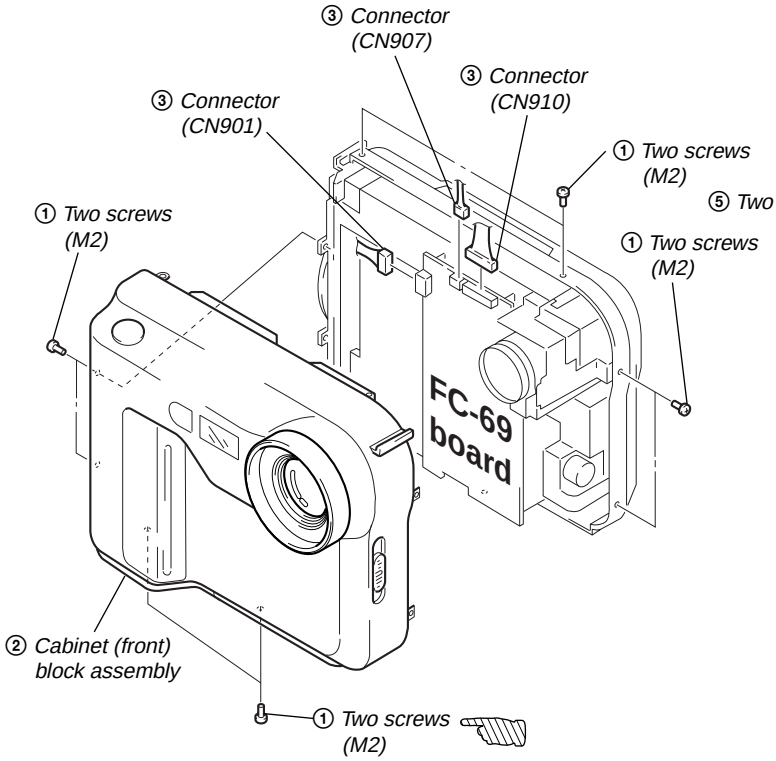
# SECTION 2
# DISASSEMBLY

**Note:** Follow the disassembly procedure in the numerical order given.

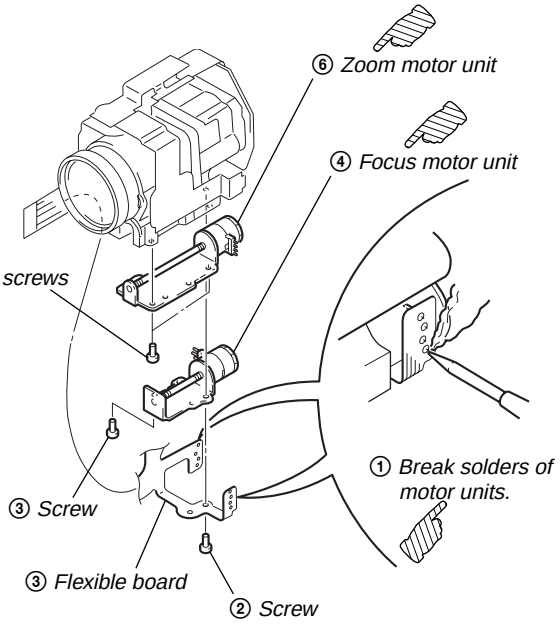
(See original service manual pages 2-1 to 2-2)

## 2-1. CABINET (FRONT) BLOCK ASSEMBLY

☞ : Points added parts.
▨ : Points changed parts.

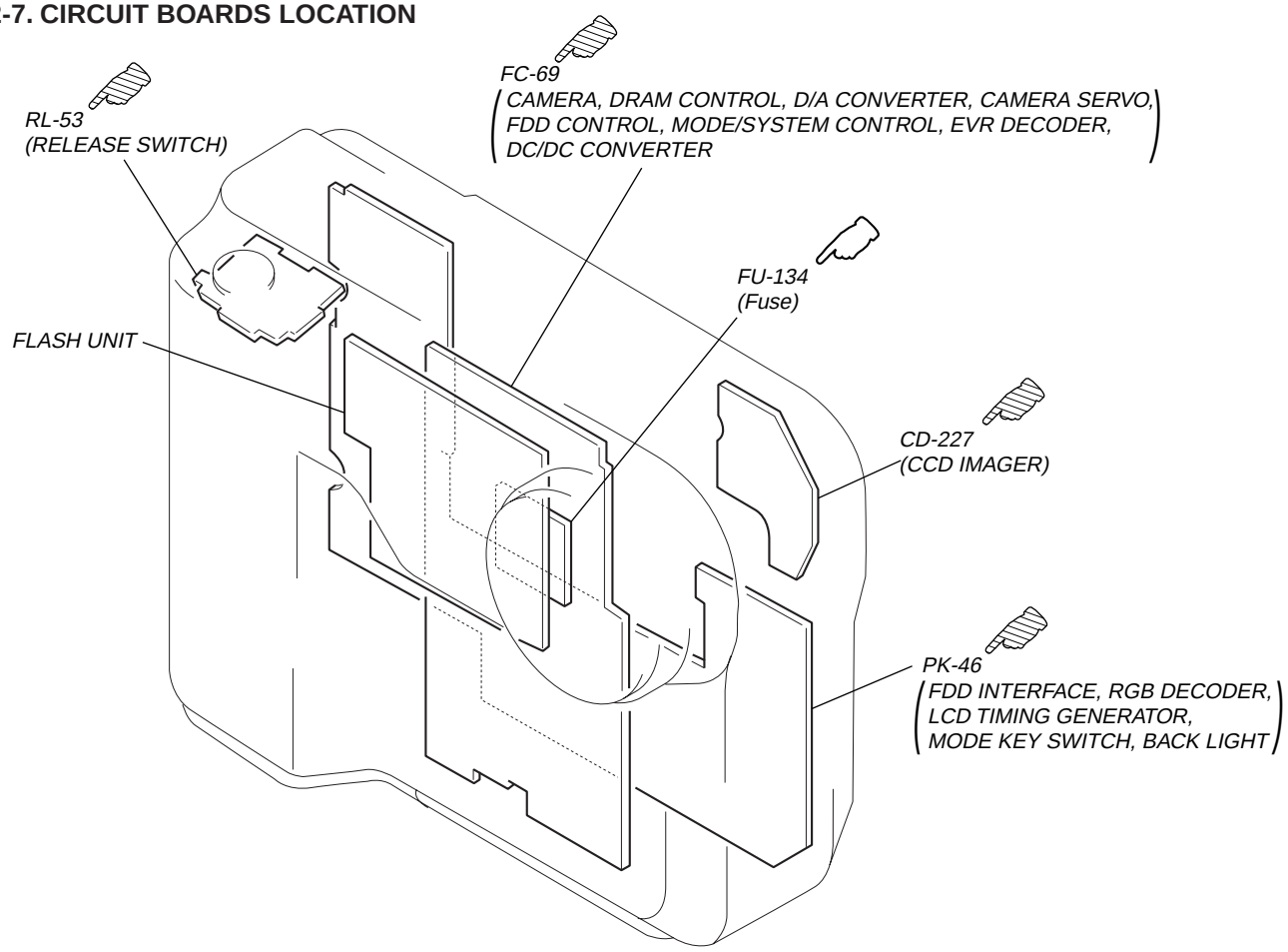



## 2-4. MOTOR UNITS




**Note:** Flexible board of zoom lens is not supplied. Please be careful not to break the flexible board when you change the motor unit.

## 2-7. CIRCUIT BOARDS LOCATION

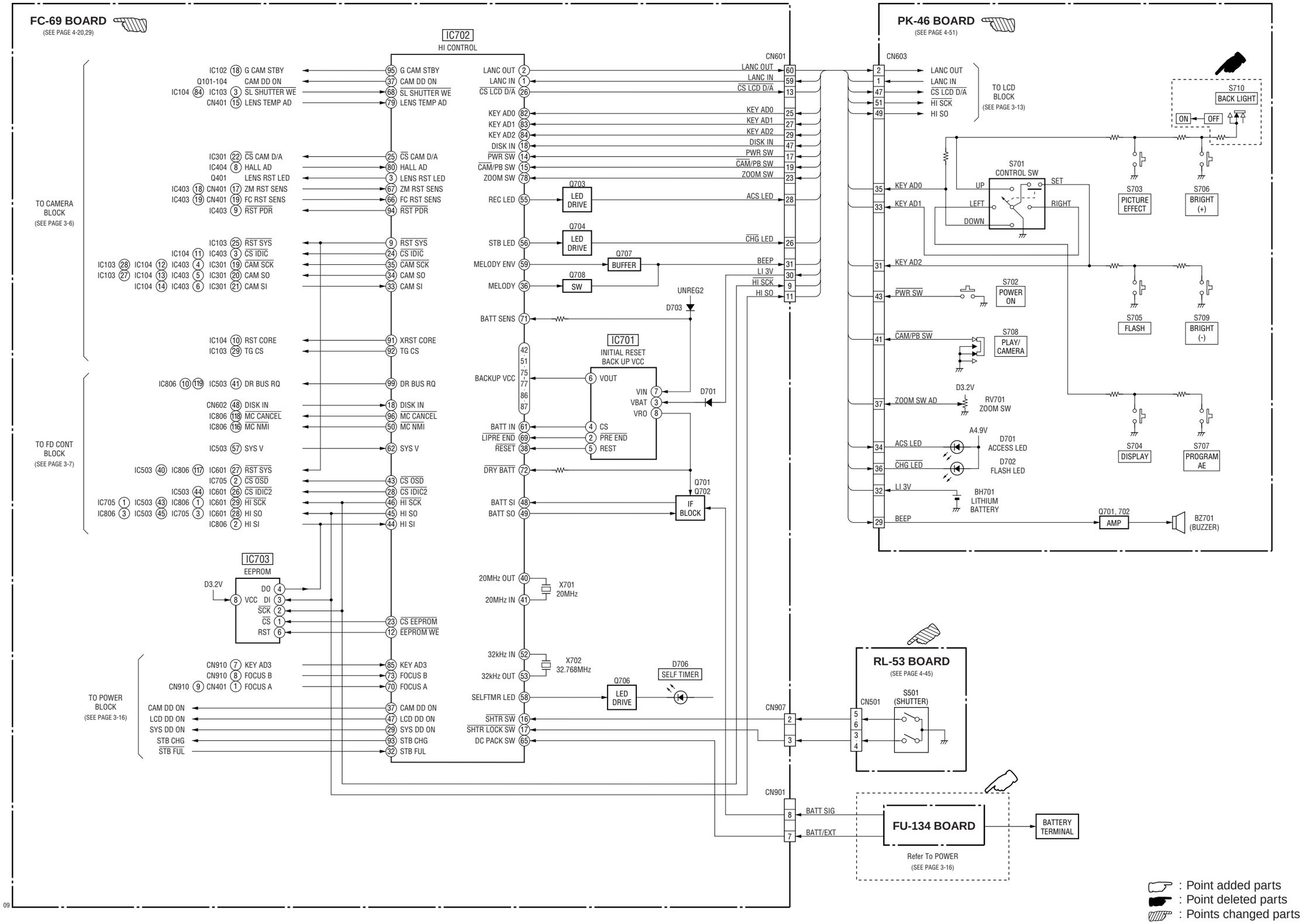

RL-53 (RELEASE SWITCH)
FC-69 (CAMERA, DRAM CONTROL, D/A CONVERTER, CAMERA SERVO, FDD CONTROL, MODE/SYSTEM CONTROL, EVR DECODER, DC/DC CONVERTER)
FU-134 (Fuse)
FLASH UNIT
CD-227 (CCD IMAGER)
PK-46 (FDD INTERFACE, RGB DECODER, LCD TIMING GENERATOR, MODE KEY SWITCH, BACK LIGHT)

# SECTION 3
# BLOCK DIAGRAMS

## 3-1. OVERALL BLOCK DIAGRAM

(ORIGINAL : PAGE 3-11, 3-12)

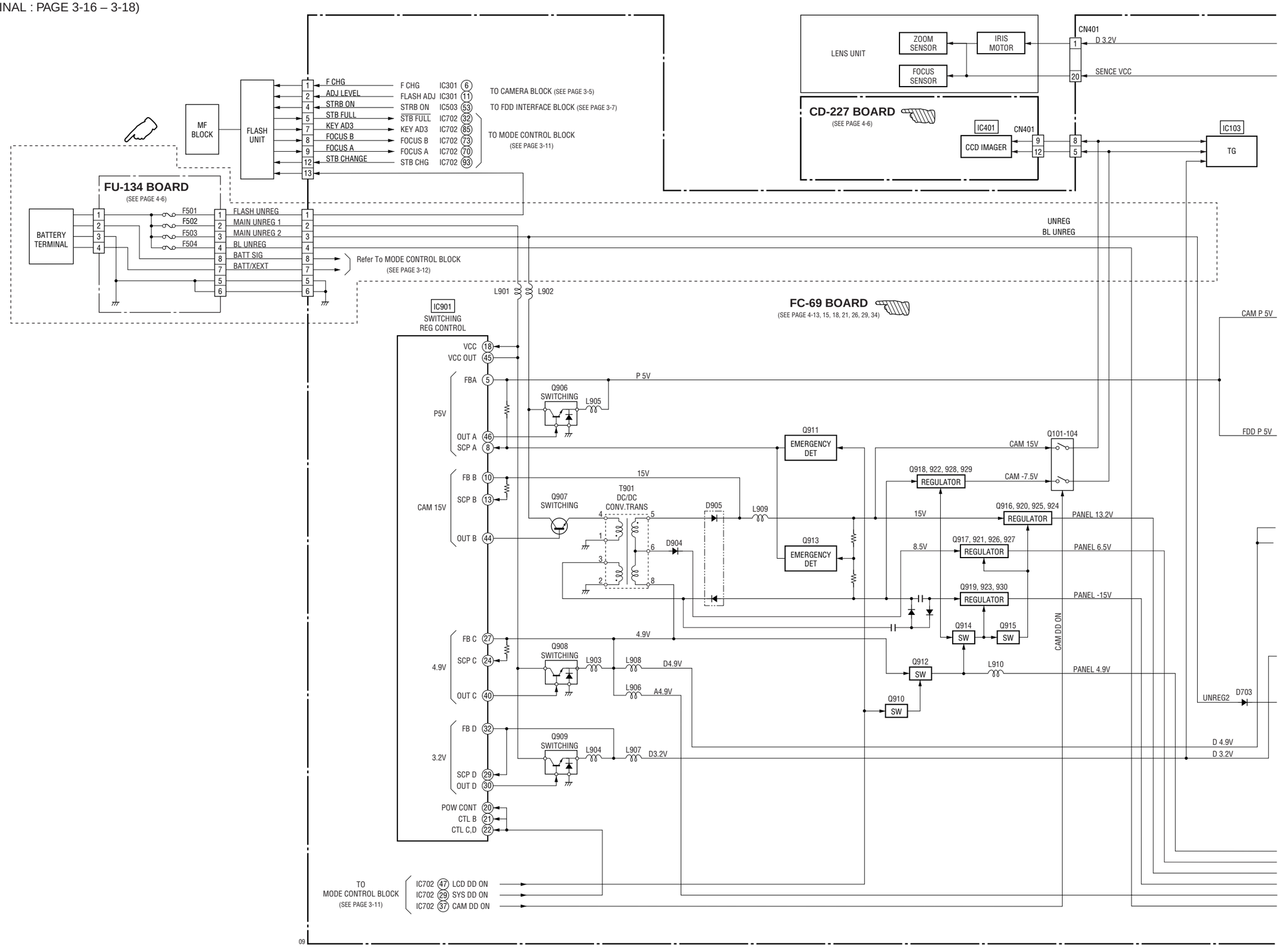
(SEE PAGE □□): Pages on the original service manual.



## 3-2. POWER BLOCK DIAGRAM

(ORIGINAL : PAGE 3-16 – 3-18)

(SEE PAGE □□): Pages on the original service manual.

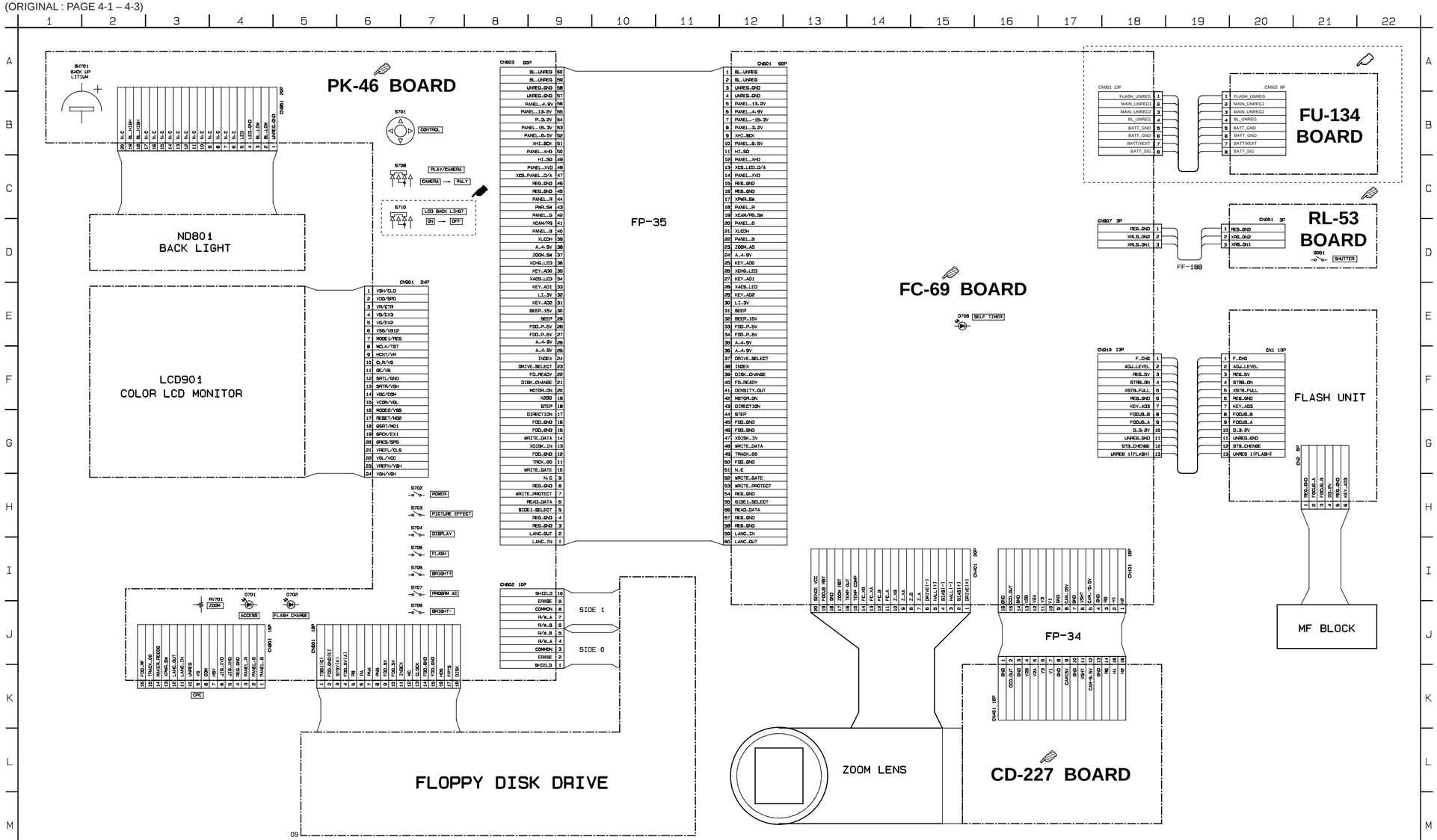



☞ : Point added parts
▨ : Points changed parts

# SECTION 4
# PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS

## 4-1. FRAME SCHEMATIC DIAGRAM

(ORIGINAL : PAGE 4-1 – 4-3)




: Point added parts
: Point deleted parts
: Points changed parts

## 4-2. PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS

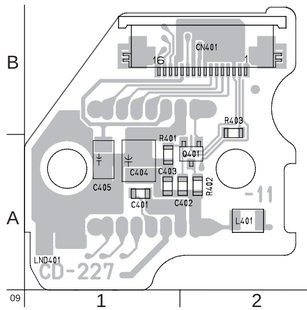
### CD-227 (CCD IMAGER) PRINTED WIRING BOARD

- See page original service manual 4-6 for CD-196 schematic diagram. (ORIGINAL : PAGE 4-5, 4-6)

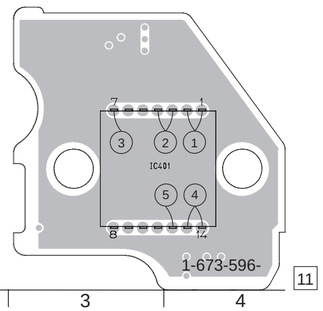
There are few cases that the part printed on this diagram isn't mounted in this model.

- **For printed wiring board.**
- CD-227 board is 4-layer print board. However, the patterns of layers 2 to 3 have not been included in the diagram.
- Chip transistor

CD-227 BOARD (SIDE A)




CD-227 BOARD (SIDE B)




**CD-227 BOARD**

| | |
|---|---|
| C401 | A-1 |
| C402 | A-1 |
| C403 | A-1 |
| C404 | A-1 |
| C405 | A-1 |
| CN401 | B-2 |
| IC401 | A-3 |
| L401 | A-3 |
| Q401 | A-2 |
| R401 | A-1 |
| R402 | A-2 |
| R403 | A-2 |



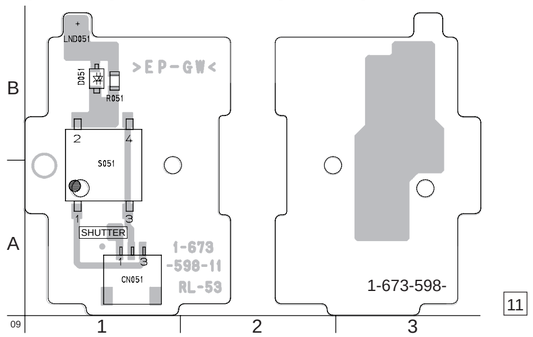
### RL-53 (RELEASE SWITCH), FU-134 (FUSE) PRINTED WIRING BOARDS

— Ref. No.: RL-53 Board; 1,000 Series, FU-134 Board; 1,000 Series —

- See page original service manual 4-6 for CD-196 schematic diagram. (ORIGINAL : PAGE 4-7)

RL-53 BOARD (SIDE A)

RL-53 BOARD (SIDE B)

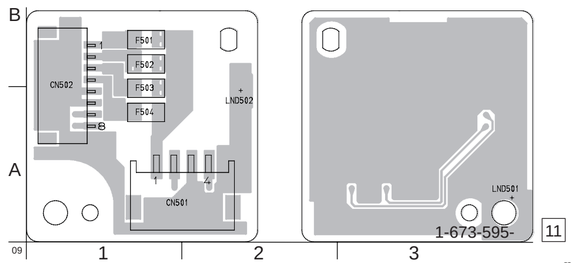



**RL-53 BOARD**

| | |
|---|---|
| CN051 | A-1 |
| D051 | B-1 |
| R051 | B-1 |
| S051 | A-1 |

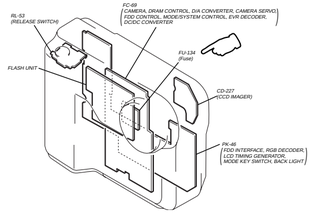
FU-134 BOARD (SIDE A)

FU-134 BOARD (SIDE B)

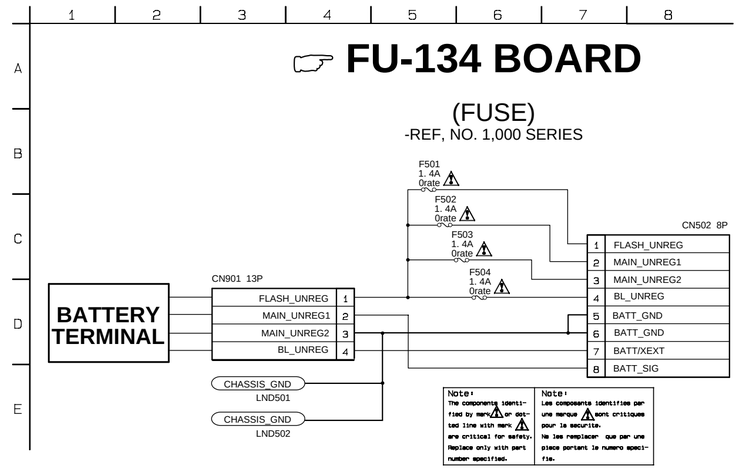



**FU-134 BOARD**

| | |
|---|---|
| CN501 | A-1 |
| CN502 | B-1 |
| F501 | B-1 |
| F502 | B-1 |
| F503 | A-1 |
| F504 | A-1 |






☞ : Points added parts

## FC-69 (CAMERA, DRAM CONTROL, D/A CONVERTER, CAMERA SERVO, FDD CONTROL, MODE/SYSTEM CONTROL, EVR DECODER, DC/DC CONVERTER) PRINTED WIRING BOARDS

— Ref. FC-69 Board; 1,000 Series —

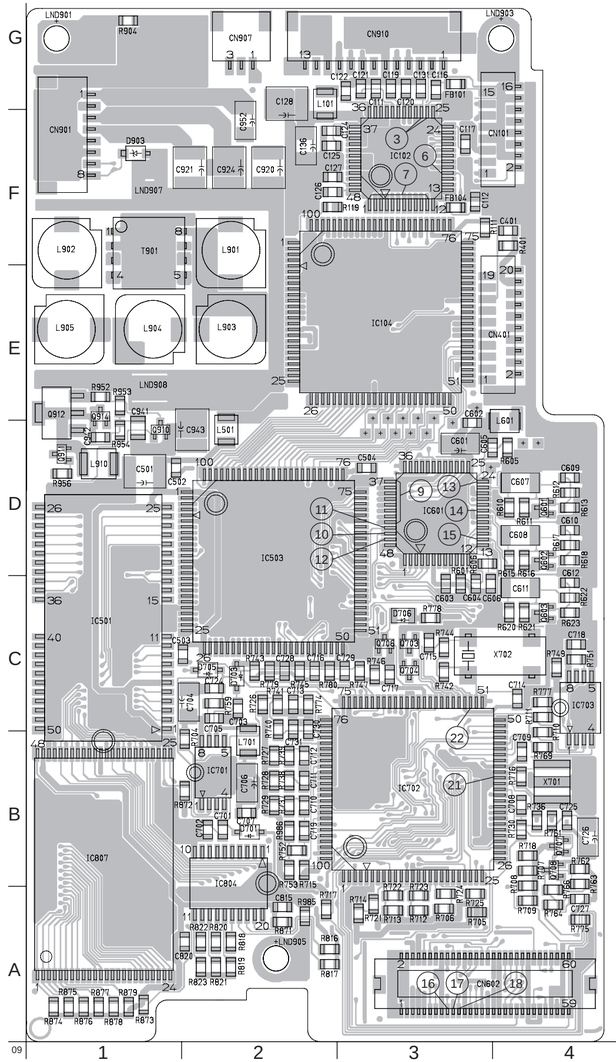
### FC-69 BOARD

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| C101 | F-6 | C702 | B-2 | C927 | F-7 | IC901 | F-7 | R112 | G-6 | R726 | C-2 | R874 | A-1 | R974 | D-7 |
| C102 | F-5 | C703 | C-2 | C928 | F-7 | | | R115 | F-5 | R727 | B-2 | R875 | A-1 | R975 | E-6 |
| C103 | F-6 | C704 | C-2 | C929 | E-8 | L101 | G-2 | R116 | F-5 | R728 | B-2 | R876 | A-1 | R976 | D-8 |
| C104 | F-6 | C705 | C-2 | C930 | E-7 | L102 | F-6 | R119 | F-2 | R729 | B-2 | R877 | A-1 | R977 | D-8 |
| C107 | F-5 | C706 | B-2 | C931 | E-8 | L301 | E-6 | R121 | F-6 | R730 | B-4 | R878 | A-1 | R978 | D-8 |
| C108 | G-5 | C707 | B-2 | C932 | E-7 | L401 | E-5 | R122 | F-6 | R736 | B-4 | R879 | A-1 | R979 | E-6 |
| C109 | F-5 | C708 | B-2 | C933 | E-7 | L403 | D-5 | R123 | G-6 | R737 | B-2 | R880 | B-6 | R980 | E-6 |
| C110 | F-5 | C709 | B-2 | C934 | E-7 | L404 | D-5 | R401 | F-4 | R738 | B-2 | R881 | A-6 | R981 | F-6 |
| C111 | G-3 | C710 | B-2 | C935 | E-8 | L501 | D-2 | R402 | D-5 | R739 | B-2 | R882 | A-5 | R985 | A-2 |
| C112 | F-3 | C711 | B-2 | C936 | E-8 | L601 | D-4 | R403 | E-5 | R740 | C-2 | R904 | G-1 | R986 | B-2 |
| C113 | G-5 | C712 | B-2 | C937 | E-7 | L701 | B-2 | R404 | E-5 | R741 | C-2 | R905 | G-6 | | |
| C114 | G-6 | C713 | C-2 | C938 | E-7 | L801 | A-5 | R405 | E-5 | R742 | C-2 | R909 | G-7 | SE801 | A-7 |
| C116 | G-3 | C714 | C-4 | C939 | F-7 | L802 | D-8 | R406 | D-5 | R743 | C-2 | R910 | G-7 | | |
| C117 | F-3 | C715 | C-3 | C940 | F-6 | L901 | F-2 | R407 | D-5 | R744 | C-3 | R911 | G-7 | T901 | F-2 |
| C119 | G-3 | C716 | C-2 | C941 | D-1 | L902 | F-1 | R408 | D-5 | R745 | C-2 | R912 | | | |
| C120 | G-3 | C717 | C-3 | C942 | D-1 | L903 | E-2 | R409 | D-5 | R746 | C-3 | R913 | G-8 | X101 | G-6 |
| C121 | G-3 | C718 | C-4 | C943 | D-2 | L904 | E-1 | R410 | D-5 | R747 | C-3 | R914 | G-8 | X701 | B-4 |
| C122 | G-3 | C719 | B-2 | C944 | D-7 | L905 | E-1 | R411 | D-5 | R749 | C-4 | R915 | G-7 | X702 | C-4 |
| C124 | F-2 | C720 | A-5 | C945 | F-7 | L906 | E-7 | R412 | C-5 | R751 | C-4 | R916 | G-8 | X802 | D-7 |
| C125 | F-2 | C721 | A-5 | C946 | F-7 | L907 | E-8 | R413 | D-5 | R752 | B-2 | R917 | G-7 | X803 | D-6 |
| C126 | F-2 | C724 | C-2 | C947 | D-8 | L908 | E-7 | R414 | D-6 | R753 | B-2 | R918 | G-8 | | |
| C127 | F-2 | C725 | B-4 | C948 | D-7 | L909 | F-7 | R415 | C-5 | R759 | C-2 | R919 | G-8 | | |
| C128 | G-2 | C726 | B-4 | C949 | D-7 | L910 | D-1 | R416 | D-6 | R761 | B-4 | R920 | G-8 | | |
| C129 | G-6 | C727 | A-4 | C950 | E-6 | | | R417 | D-6 | R762 | B-4 | R921 | G-7 | | |
| C130 | G-6 | C728 | C-2 | C951 | D-8 | Q101 | F-6 | R418 | C-5 | R763 | B-4 | R922 | G-7 | | |
| C131 | G-3 | C729 | C-3 | C952 | F-2 | Q102 | G-6 | R419 | D-5 | R764 | A-4 | R923 | G-7 | | |
| C132 | F-6 | C730 | C-2 | | | Q103 | G-6 | R420 | D-6 | R766 | A-4 | R924 | G-7 | | |
| C133 | F-5 | C731 | C-2 | CN101 | F-4 | Q104 | G-6 | R421 | D-6 | R769 | B-4 | R925 | G-7 | | |
| C134 | F-5 | C804 | A-5 | CN401 | E-4 | Q401 | E-5 | R422 | D-6 | R774 | C-2 | R926 | G-7 | | |
| C135 | F-6 | C805 | A-5 | CN602 | A-3 | Q402 | D-5 | R423 | D-6 | R775 | A-4 | R927 | F-8 | | |
| C136 | F-2 | C806 | A-5 | CN901 | F-1 | Q403 | D-5 | R424 | D-6 | R776 | B-4 | R928 | F-8 | | |
| C301 | E-6 | C807 | A-5 | CN907 | G-2 | Q601 | D-4 | R425 | D-6 | R777 | C-4 | R929 | F-8 | | |
| C302 | D-6 | C808 | A-5 | CN910 | G-3 | Q602 | D-4 | R426 | D-6 | R778 | C-3 | R930 | F-8 | | |
| C303 | E-6 | C809 | A-6 | | | Q603 | C-4 | R427 | D-6 | R779 | C-2 | R931 | F-8 | | |
| C401 | F-4 | C810 | A-5 | D701 | B-2 | Q701 | A-6 | R428 | D-6 | R780 | C-2 | R932 | F-8 | | |
| C402 | D-5 | C811 | A-8 | D702 | A-6 | Q702 | A-6 | R429 | D-6 | R803 | C-6 | R933 | F-8 | | |
| C403 | D-5 | C812 | A-8 | D703 | C-2 | Q703 | C-3 | R601 | C-3 | R805 | C-6 | R934 | F-8 | | |
| C404 | D-5 | C813 | A-8 | D705 | C-2 | Q704 | C-3 | R605 | D-4 | R806 | C-6 | R935 | F-8 | | |
| C405 | F-5 | C814 | A-8 | D706 | C-3 | Q706 | C-3 | R606 | D-3 | R807 | C-6 | R936 | F-8 | | |
| C406 | D-5 | C815 | A-2 | D903 | F-1 | Q707 | B-4 | R610 | D-4 | R808 | C-6 | R937 | F-7 | | |
| C407 | F-5 | C818 | C-7 | D904 | E-8 | Q708 | B-4 | R611 | D-4 | R809 | A-5 | R938 | F-7 | | |
| C408 | D-6 | C819 | D-8 | D905 | F-8 | Q801 | A-6 | R612 | D-4 | R810 | A-5 | R939 | F-7 | | |
| C409 | E-6 | C820 | A-2 | D906 | F-7 | Q802 | A-7 | R613 | D-4 | R811 | A-5 | R940 | F-7 | | |
| C410 | D-5 | C821 | D-8 | D907 | F-7 | Q803 | A-7 | R615 | D-4 | R812 | A-5 | R941 | F-7 | | |
| C411 | E-5 | C822 | A-8 | | | Q906 | E-8 | R616 | D-4 | R813 | A-5 | R942 | G-7 | | |
| C412 | E-5 | C823 | C-6 | FB101 | G-3 | Q907 | F-8 | R617 | D-4 | R814 | B-5 | R943 | F-8 | | |
| C413 | D-6 | C824 | B-6 | FB102 | F-6 | Q908 | E-7 | R618 | D-4 | R815 | B-5 | R945 | F-8 | | |
| C414 | C-5 | C825 | D-7 | FB103 | F-6 | Q909 | E-7 | R620 | C-4 | R816 | A-2 | R946 | F-7 | | |
| C415 | D-6 | C902 | G-7 | FB104 | F-3 | Q910 | D-1 | R621 | C-4 | R817 | A-2 | R947 | F-7 | | |
| C416 | D-6 | C903 | G-7 | | | Q911 | D-1 | R622 | C-4 | R818 | A-2 | R948 | F-7 | | |
| C417 | D-5 | C904 | G-7 | IC102 | F-3 | Q912 | E-1 | R623 | C-4 | R819 | A-2 | R949 | F-7 | | |
| C418 | D-6 | C905 | G-7 | IC103 | F-6 | Q913 | F-7 | R701 | A-6 | R820 | A-2 | R951 | E-8 | | |
| C419 | C-5 | C906 | G-7 | IC104 | E-3 | Q914 | E-1 | R702 | A-6 | R821 | A-2 | R952 | E-1 | | |
| C420 | C-5 | C907 | G-7 | IC301 | E-6 | Q915 | D-7 | R703 | A-6 | R822 | A-2 | R953 | E-1 | | |
| C421 | D-6 | C908 | G-8 | IC401 | D-5 | Q916 | E-7 | R704 | B-2 | R823 | A-2 | R954 | D-1 | | |
| C422 | D-6 | C909 | G-7 | IC402 | E-6 | Q917 | D-7 | R705 | A-3 | R825 | A-8 | R955 | F-7 | | |
| C501 | D-1 | C910 | F-8 | IC403 | E-6 | Q918 | E-7 | R706 | A-3 | R826 | A-8 | R956 | D-1 | | |
| C502 | D-2 | C911 | G-7 | IC404 | D-5 | Q919 | D-8 | R707 | B-4 | R827 | A-6 | R957 | F-6 | | |
| C503 | C-1 | C912 | F-8 | IC405 | D-6 | Q920 | E-6 | R708 | B-4 | R828 | A-6 | R958 | F-6 | | |
| C504 | D-3 | C913 | F-7 | IC501 | C-1 | Q921 | D-7 | R709 | A-4 | R829 | A-6 | R960 | E-7 | | |
| C601 | D-3 | C914 | F-8 | IC503 | D-2 | Q922 | F-7 | R710 | B-4 | R830 | A-6 | R961 | E-7 | | |
| C602 | D-3 | C915 | F-7 | IC601 | D-3 | Q923 | D-8 | R711 | C-4 | R831 | A-6 | R962 | D-7 | | |
| C603 | C-3 | C916 | F-8 | IC701 | B-2 | Q924 | D-7 | R712 | A-3 | R832 | A-6 | R963 | D-7 | | |
| C604 | C-3 | C917 | F-6 | IC702 | B-3 | Q925 | D-7 | R713 | A-3 | R860 | C-8 | R964 | D-7 | | |
| C605 | D-4 | C918 | F-8 | IC703 | C-4 | Q926 | D-7 | R714 | A-3 | R862 | D-8 | R965 | D-8 | | |
| C606 | C-3 | C919 | F-7 | IC705 | A-5 | Q927 | D-7 | R715 | B-2 | R864 | D-8 | R966 | E-7 | | |
| C607 | D-4 | C920 | F-2 | IC801 | B-5 | Q928 | E-6 | R717 | A-2 | R866 | D-7 | R967 | D-7 | | |
| C608 | D-4 | C921 | F-2 | IC802 | A-5 | Q929 | F-6 | R718 | B-4 | R868 | D-7 | R968 | F-6 | | |
| C609 | D-4 | C922 | F-8 | IC803 | A-8 | Q930 | D-8 | R721 | A-3 | R869 | D-7 | R969 | D-8 | | |
| C610 | D-4 | C923 | F-7 | IC804 | B-2 | | | R722 | A-3 | R870 | C-6 | R970 | E-6 | | |
| C611 | C-4 | C924 | F-2 | IC805 | A-6 | R101 | F-5 | R723 | A-3 | R871 | A-2 | R971 | D-7 | | |
| C612 | C-4 | C925 | F-8 | IC806 | B-7 | R102 | F-5 | R724 | A-3 | R872 | B-2 | R972 | E-7 | | |
| C701 | B-2 | C926 | F-7 | IC807 | B-1 | R111 | F-3 | R725 | A-3 | R873 | A-1 | R973 | D-8 | | |

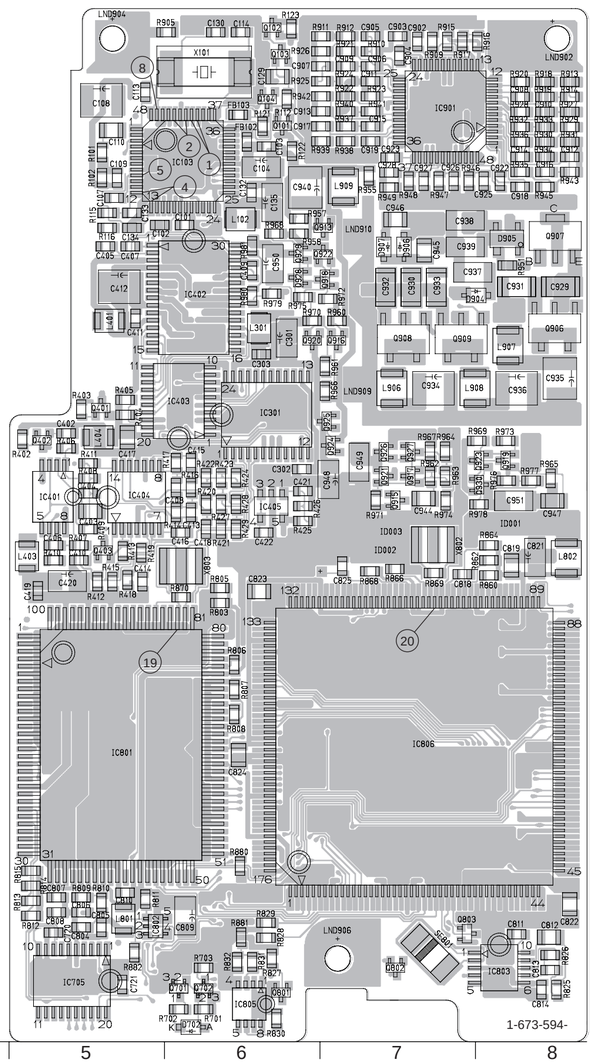
- **For printed wiring boards.**
- FC-69 board is 6-layer print board. However, the patterns of layers 2 to 5 have not been included in the diagram.
- RL-53 board is 4-layer print board. However, the patterns of layers 2 to 3 have not been included in the diagram.
- Chip transistor

There are few cases that the part printed on this diagram isn't mounted in this model.

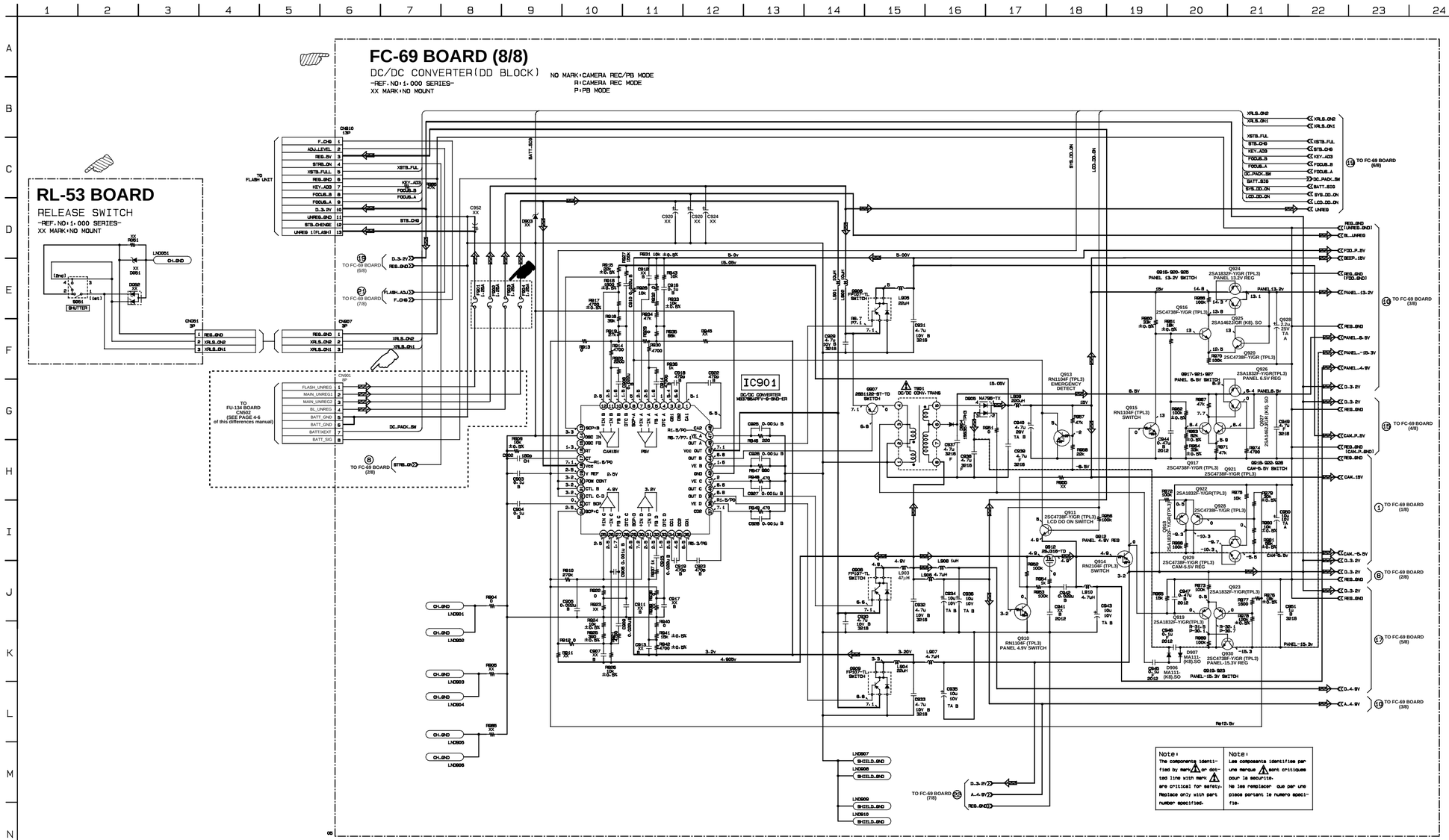
### FC-69 BOARD (SIDE A)




### FC-69 BOARD (SIDE B)



**FC-69 (DC/DC CONVERTER), RL-53 (RELEASE SWITCH) SCHEMATIC DIAGRAM** • **See page 4-8 for FC-69 BOARD printed wiring board.**
(ORIGINAL : PAGE 4-34 – 4-36)


FC-69 BOARD (8/8)
DC/DC CONVERTER(DD BLOCK)
-REF.NO:1.000 SERIES-
XX MARK:NO MOUNT
NO MARK:CAMERA REC/PB MODE
R:CAMERA REC MODE
P:PB MODE
RL-53 BOARD
RELEASE SWITCH
-REF.NO:1.000 SERIES-
XX MARK:NO MOUNT
IC901
DC/DC CONVERTER
MB3788PFV-G-BND-ER
TO FLASH UNIT
TO FU-134 BOARD CN502 (SEE PAGE 4-6 of this differences manual)
SHUTTER
Note: The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.
Note: Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

: Point added parts
: Point deleted parts
: Points changed parts

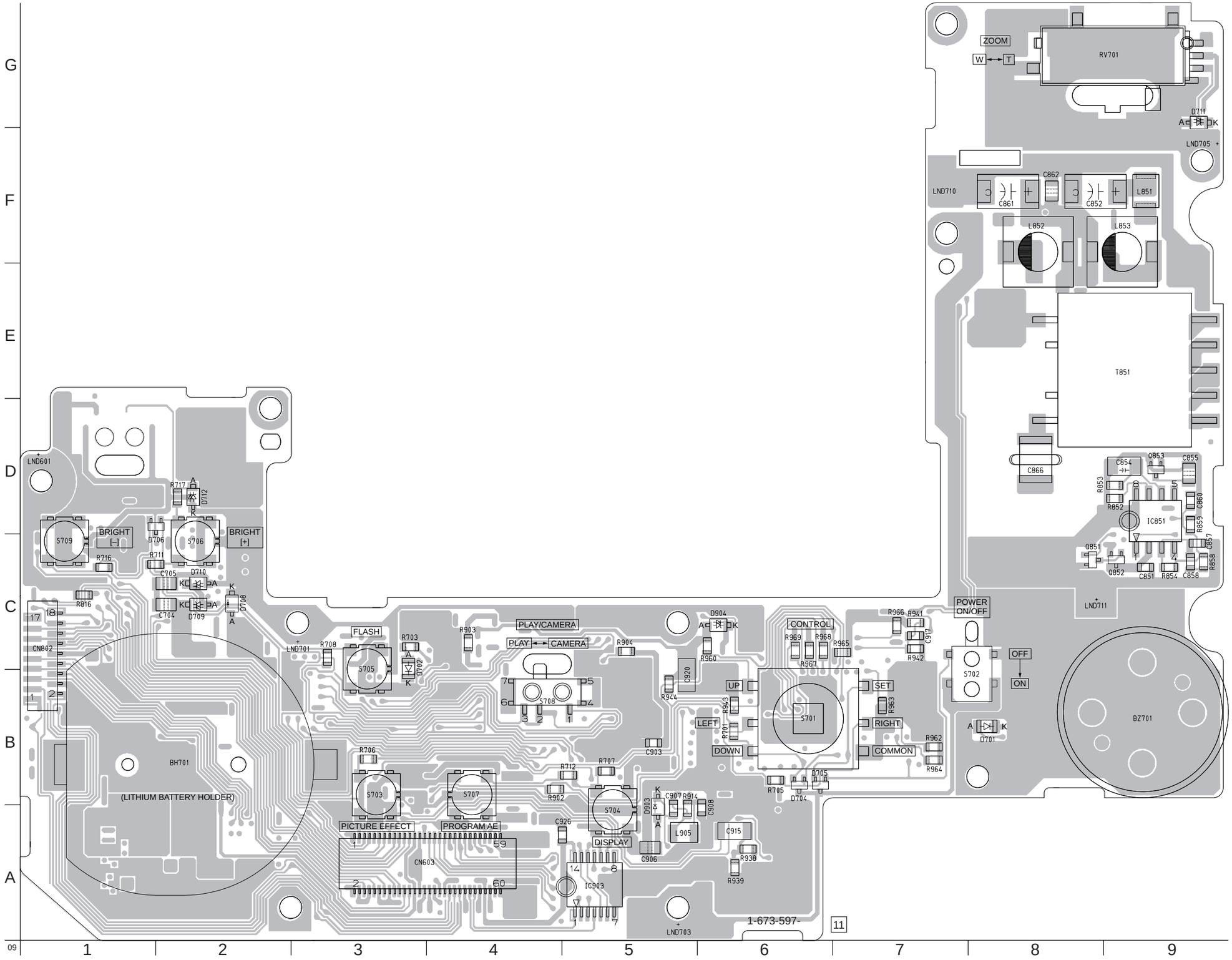
## PK-46 (FDD INTERFACE, RGB DECODER, LCD TIMING GENERATOR, MODE KEY SWITCH, BACK LIGHT) PRINTED WIRING BOARD

— Ref. No.: PK-46 Board; 2,000 Series —

### PK-46 BOARD (SIDE A)

| | | | |
|---|---|---|---|
| BH701 | E-1 | *R902 | B-4 |
| BH701 | B-2 | R903 | C-4 |
| | | R904 | C-5 |
| BZ701 | B-9 | R938 | A-6 |
| | | R939 | A-6 |
| C704 | C-2 | R941 | C-7 |
| C705 | C-2 | R942 | C-7 |
| C851 | C-9 | R943 | B-6 |
| C852 | F-8 | R944 | B-5 |
| C854 | D-9 | R960 | C-6 |
| C855 | D-9 | *R962 | B-7 |
| C857 | C-9 | *R963 | B-7 |
| C858 | C-9 | R964 | B-7 |
| C860 | D-9 | R965 | C-7 |
| C861 | F-8 | *R966 | C-7 |
| C862 | F-8 | R967 | C-6 |
| C866 | D-8 | R968 | C-6 |
| C903 | B-5 | R969 | C-6 |
| C906 | A-5 | | |
| C907 | A-5 | RV701 | G-9 |
| C908 | A-6 | | |
| C915 | A-6 | S701 | B-6 |
| C917 | C-7 | S702 | B-8 |
| C920 | B-5 | S703 | B-3 |
| C926 | A-4 | S704 | A-5 |
| | | S705 | C-3 |
| CN603 | A-3 | S706 | C-2 |
| CN802 | C-1 | S707 | B-4 |
| | | S708 | B-4 |
| D701 | B-8 | S709 | C-1 |
| D702 | C-3 | | |
| D704 | B-6 | T851 | E-9 |
| D705 | B-6 | | |
| D706 | D-1 | | |
| D708 | C-2 | | |
| D709 | C-2 | | |
| D710 | C-2 | | |
| D711 | G-9 | | |
| D712 | D-2 | | |
| D903 | A-5 | | |
| D904 | C-6 | | |
| IC851 | D-9 | | |
| IC903 | A-5 | | |
| L851 | F-9 | | |
| L852 | F-88 | | |
| L853 | F-9 | | |
| L905 | A-5 | | |
| Q851 | C-8 | | |
| Q852 | C-9 | | |
| Q853 | D-9 | | |
| R701 | B-6 | | |
| R703 | C-3 | | |
| R705 | B-6 | | |
| R706 | B-3 | | |
| R707 | B-5 | | |
| R708 | C-3 | | |
| R711 | C-1 | | |
| R712 | B-5 | | |
| R716 | C-1 | | |
| R717 | D-1 | | |
| R816 | C-1 | | |
| R852 | D-9 | | |
| R853 | D-9 | | |
| R854 | C-9 | | |
| R858 | C-9 | | |
| R859 | D-9 | | |

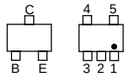
## PK-46 BOARD (SIDE A)



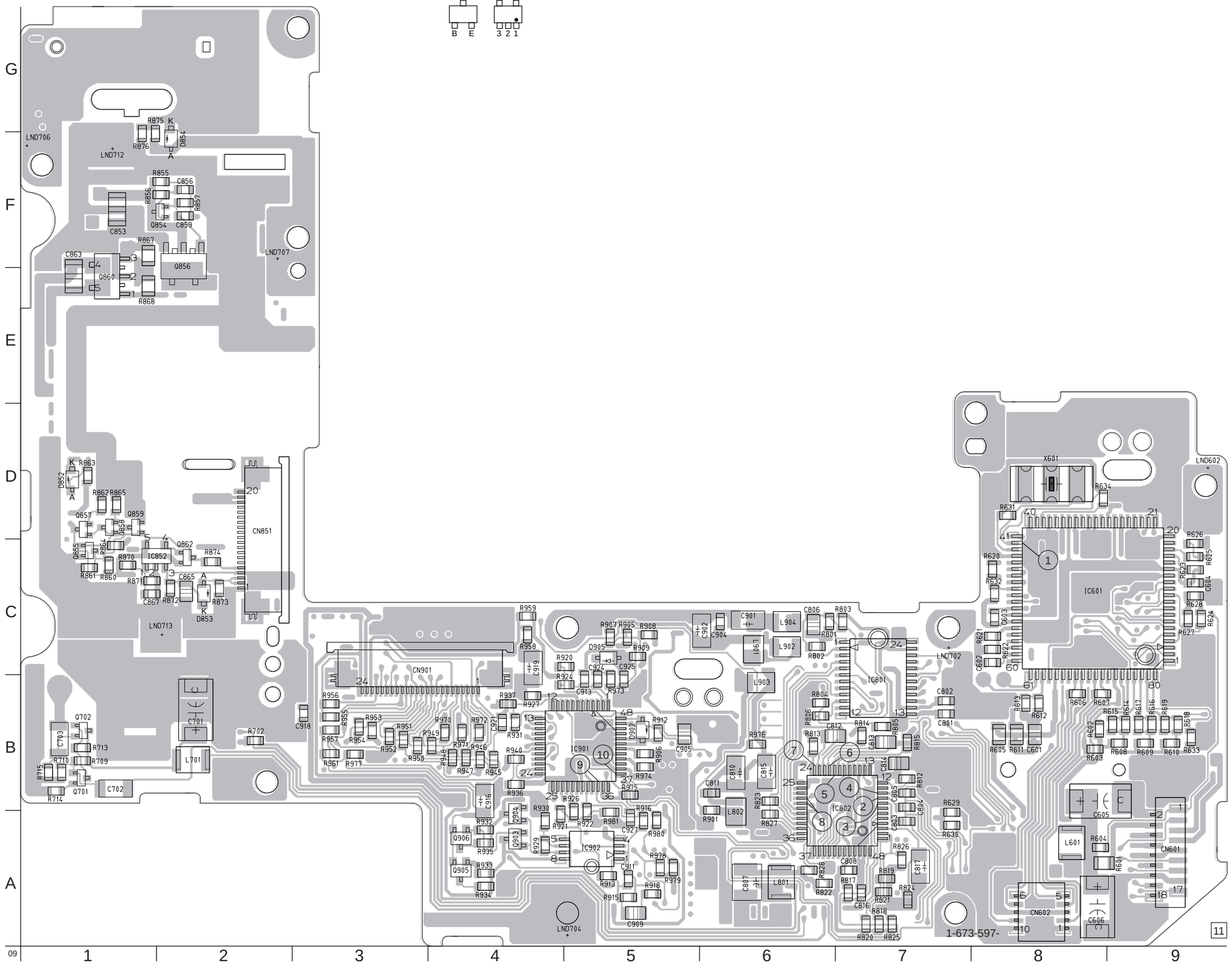

**Note**: * mark is CASIO made LCD panel model only.

# PK-46 BOARD (SIDE B)

- **For printed wiring board.**
- PK-46 board is 4-layer print board. However, the patterns of layers 2 to 3 have not been included in the diagram.
- Chip transistor




There are few cases that the part printed on this diagram isn't mounted in this model.



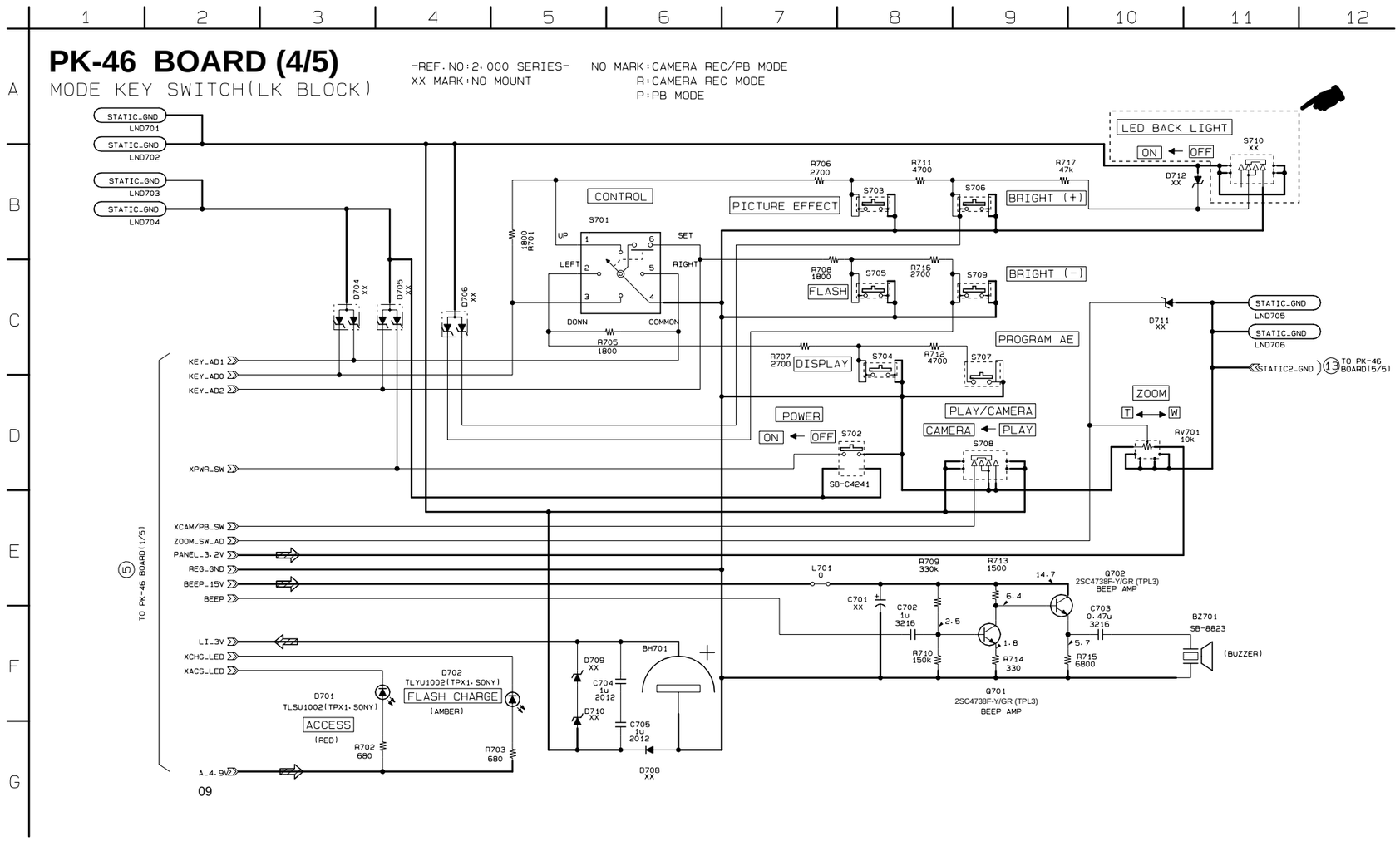
## PK-46 BOARD (SIDE B)

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| BH701 | E-1 | L903 | B-6 | R821 | A-7 | *R971 | B-4 |
| | | *L904 | C-6 | R822 | A-6 | *R972 | B-4 |
| C601 | B-8 | | | R823 | B-6 | R973 | B-5 |
| C602 | C-8 | Q701 | B-1 | R824 | A-7 | R974 | B-5 |
| C603 | C-8 | Q702 | B-1 | R825 | A-7 | R975 | B-5 |
| C604 | C-9 | Q854 | F-2 | R826 | A-7 | R976 | B-6 |
| C605 | B-8 | Q855 | C-1 | R827 | A-6 | R977 | B-3 |
| C606 | A-8 | Q856 | F-2 | R828 | A-6 | R978 | A-1 |
| C701 | B-2 | Q857 | D-1 | R855 | F-2 | R979 | A-5 |
| C702 | B-1 | Q858 | D-1 | R856 | F-2 | R980 | A-5 |
| C703 | B-1 | Q859 | D-1 | R857 | F-2 | R981 | A-5 |
| C801 | B-7 | Q860 | E-1 | R860 | C-1 | | |
| C802 | B-7 | Q862 | C-2 | R861 | C-1 | X601 | D-8 |
| C803 | A-7 | Q903 | A-4 | R862 | D-1 | | |
| C804 | B-7 | Q904 | A-4 | R863 | D-1 | | |
| C805 | B-7 | Q905 | A-4 | R864 | C-1 | | |
| C806 | C-6 | Q906 | A-4 | R865 | D-1 | | |
| C807 | A-6 | | | R867 | F-1 | | |
| C808 | A-7 | R601 | A-8 | R868 | E-1 | | |
| C811 | B-6 | R602 | B-8 | R870 | C-1 | | |
| C812 | B-6 | R603 | B-8 | R871 | C-1 | | |
| C813 | B-7 | R604 | A-8 | R872 | C-2 | | |
| C814 | B-7 | R605 | B-8 | R873 | C-2 | | |
| C815 | B-6 | R606 | B-8 | R874 | C-2 | | |
| C816 | A-7 | R607 | B-8 | R875 | F-1 | | |
| C817 | A-7 | R608 | B-9 | R876 | F-1 | | |
| C853 | F-1 | R609 | B-9 | *R901 | A-6 | | |
| C856 | F-2 | R610 | B-9 | R905 | C-5 | | |
| C859 | F-2 | R611 | B-8 | *R906 | B-5 | | |
| C863 | E-1 | R612 | B-8 | R907 | C-5 | | |
| C865 | C-2 | R613 | B-8 | R908 | C-5 | | |
| C867 | C-1 | R614 | B-9 | R909 | C-5 | | |
| *C901 | C-6 | R615 | B-9 | R912 | B-5 | | |
| C902 | C-2 | R618 | B-9 | R913 | A-5 | | |
| C904 | C-2 | R619 | B-9 | R914 | A-5 | | |
| C905 | B-5 | R620 | C-8 | R915 | A-5 | | |
| C909 | A-5 | R621 | C-8 | R916 | A-5 | | |
| C911 | A-5 | R622 | C-8 | R918 | A-5 | | |
| C913 | B-5 | R623 | C-9 | R920 | C-5 | | |
| C916 | B-4 | R624 | C-9 | R921 | A-4 | | |
| C918 | B-3 | R625 | C-9 | R922 | A-5 | | |
| C919 | C-4 | R626 | C-9 | R924 | B-5 | | |
| *C921 | B-4 | R627 | C-9 | R926 | A-5 | | |
| C924 | B-5 | R628 | C-9 | R927 | B-4 | | |
| C925 | B-5 | R629 | A-7 | R929 | A-4 | | |
| C927 | A-5 | R630 | A-7 | R930 | A-4 | | |
| | | R631 | D-8 | R931 | B-4 | | |
| CN601 | A-9 | R632 | C-8 | R932 | A-4 | | |
| CN602 | A-8 | R633 | B-9 | R933 | A-4 | | |
| CN851 | D-2 | R634 | D-8 | R934 | A-4 | | |
| CN901 | C-3 | R702 | B-2 | R935 | A-4 | | |
| | | R709 | B-1 | *R936 | B-4 | | |
| D852 | D-1 | R710 | B-1 | *R937 | B-4 | | |
| D853 | C-2 | R713 | B-1 | R940 | B-4 | | |
| D854 | F-2 | R714 | B-1 | R945 | B-4 | | |
| D905 | C-5 | R715 | B-1 | R946 | B-4 | | |
| | | R801 | C-6 | R947 | B-4 | | |
| IC601 | C-8 | R802 | C-6 | R948 | B-4 | | |
| IC801 | B-7 | R803 | C-7 | *R950 | B-3 | | |
| IC802 | B-7 | R804 | B-6 | *R951 | B-3 | | |
| IC852 | C-1 | R805 | B-7 | *R952 | B-3 | | |
| IC901 | B-5 | R806 | B-6 | *R953 | B-3 | | |
| IC902 | A-5 | R812 | B-5 | *R954 | B-3 | | |
| | | R813 | B-6 | *R955 | B-3 | | |
| L601 | A-8 | R814 | B-7 | R956 | B-3 | | |
| L701 | B-2 | R815 | B-7 | *R957 | B-3 | | |
| L801 | A-6 | R817 | A-7 | R958 | C-4 | | |
| L802 | A-6 | R818 | A-7 | *R959 | C-4 | | |
| L901 | C-6 | R819 | A-7 | R961 | B-3 | | |
| L902 | C-6 | R820 | A-7 | *R970 | B-4 | | |

**Note**: * mark is CASIO made LCD panel model only.



**PK-46 (MODE KEY SWITCH) SCHEMATIC DIAGRAM** • **See page 4-13 for PK-46 BOARD printed wiring board.**
(ORIGINAL : PAGE 4-51)




☛ : Point deleted parts

# SECTION 5
# ADJUSTMENTS

## 5-1. CAMERA SECTION ADJUSTMENT

### 1-1. PREPARATIONS BEFORE ADJUSTMENT

#### 1-1-1. Preparations

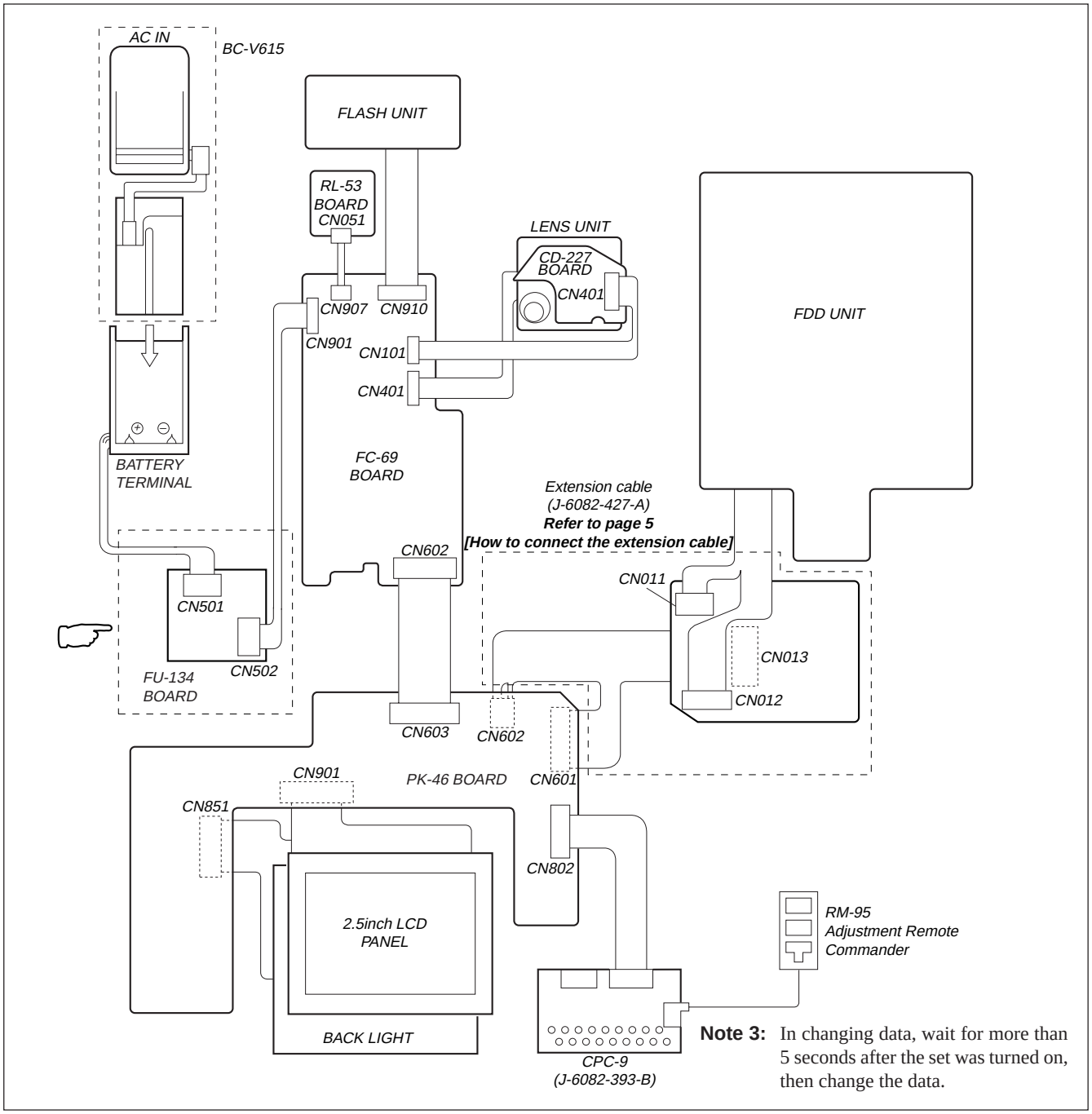
(See original service manual page 5-3.)

☞ : Added point

**Note 1:** Refer to "2. Disassembly" for details of how to remove the cabinet and the respective boards.

**Note 2:** Removal of the lens block and FC-69 board is not necessary if only adjustments are to be made.

1) Connect the adjustment equipment as shown in Fig. 5-1-1.




**Note 3:** In changing data, wait for more than 5 seconds after the set was turned on, then change the data.

Fig. 5-1-1.

## 1-2. INITIALIZATION OF E AND F PAGE DATA

### 1. F page table

(See original service manual page 5-7 – 5-9.)

: Changed points

**Note 1:** "Fixed data-1": Initialized data (refer to "1. Initialization of E and F page data")
"Fixed data-2": Changed data (refer to "2. Change of E and F page data")

**Note 2:** For the asterisk *, refer to "1-4. LCD System Adjustment".

| Address | Initial value | Remark |
|---|---|---|
| 00 to 0F | | |
| 10 | | Fixed data-1 |
| 11 | | (Initialized data) |
| 12 | | Fixed data-2 |
| 13 | | Fixed data-1 |
| 14 | | (Initialized data) |
| 15 | | |
| 16 | | |
| 17 | | |
| 18 | 80 | Battery down adj. |
| 19 | 88 | |
| 1A | AD | |
| 1B | C2 | |
| 1C | CD | |
| 1D | | Fixed data-1 |
| 1E | | (Initialized data) |
| 1F | | |
| 20 | | Fixed data-2 |
| 21 | | |
| 22 | | |
| 23 | | |
| 24 | | Fixed data-1 |
| 25 | | (Initialized data) |
| 26 | | Fixed data-2 |
| 27 | | |
| 28 | | |
| 29 | | |
| 2A | | Fixed data-1 |
| 2B | | (Initialized data) |
| 2C | | Fixed data-2 |
| 2D | | |
| 2E | | |
| 2F | | |
| 30 | BC | Bright adj. |
| 31 | | Fixed data-1 |
| 32 | | (Initialized data) |
| 33 | B9 | White balance adj. |
| 34 | B7 | |
| 35 | BE | CONTRAST adj. |
| 36 | 61 | VCO adj. |
| 37 | 74 | V-COM adj. |
| 38 | C8 | D RANGE adj. |
| 39 | 7C | V-COM level adj. |
| 3A | | Fixed data-1 |
| 3B | | Fixed data-2 |
| 3C | | Fixed data-1 |
| 3D | | Fixed data-2 |
| 3E | | Fixed data-1 |
| 3F | | (Initialized data) |
| 40 | | Fixed data-2 |
| 41 | | |
| 42 | | Fixed data-1 |
| 43 | | (Initialized data) |
| 44 | | |
| 45 | | |
| 46 | | |
| 47 | | |
| 48 | | |
| 49 | | |
| 4A | | Fixed data-2 |
| 4B | | Fixed data-1 |
| 4C | | (Initialized data) |
| 4D | | |
| 4E | | |
| 4F | | |
| 50 | | |
| 51 | | |
| 52 | | |
| 53 | | |
| 54 | | |
| 55 | | |
| 56 | | |
| 57 | | |
| 58 | | |
| 59 | | |
| 5A | | |
| 5B | | |
| 5C | | |
| 5D | | |
| 5E | | |
| 5F | | |
| 60 | | |
| 61 | | Fixed data-2 |
| 62 | | Fixed data-1 |
| 63 | | (Initialized data) |
| 64 | | |
| 65 | | |
| 66 | | |
| 67 | | |
| 68 | | |
| 69 | | |
| 6A | | |
| 6B | | |
| 6C | | |
| 6D | | |
| 6E | | |
| 6F | | |
| 70 | | |

(See original service manual page 5-8.)
: Changed point

| Address | Initial value | Remark |
|---|---|---|
| 71 | | Fixed data-1 |
| 72 | | (Initialized data) |
| 73 | | |
| 74 | | |
| 75 | | |
| 76 | | |
| 77 | | |
| 78 | | |
| 79 | | |
| 7A | | |
| 7B | | |
| 7C | | |
| 7D | | |
| 7E | | |
| 7F | | |
| 80 | | |
| 81 | | |
| 82 | | |
| 83 | | |
| 84 | | |
| 85 | | |
| 86 | | |
| 87 | | |
| 88 | | |
| 89 | | |
| 8A | | |
| 8B | | |
| 8C | | |
| 8D | | |
| 8E | | |
| 8F | | |
| 90 | | |
| 91 | | |
| 92 | | |
| 93 | | |
| 94 | | |
| 95 | | |
| 96 | | |
| 97 | | |
| 98 | | |
| 99 | | |
| 9A | | |
| 9B | | |
| 9C | | |
| 9D | | |
| 9E | | |
| 9F | | |
| A0 | | Fixed data-2 |
| A1 | | |

**2. E page table**
(See original service manual page 5-10, 11.)
: Changed points

**Note 1:** "Fixed data-1": Initialized data (refer to "1. Initialization of E and F page data")
"Fixed data-2": Changed data (refer to "2. Change of E and F page data")

| Address | Initial value | Remark |
|---|---|---|
| 2F | | Fixed data-1 |
| 30 | | (Initialized data) |
| 31 | | |
| 32 | | |
| 33 | | |
| 34 | | |
| 35 | | |
| 36 | | |
| 37 | | |
| 38 | | |
| 39 | | |
| 3A | | Fixed data-2 |
| 3B | | Fixed data-1 |
| 3C | | (Initialized data) |
| 3D | | |
| 3E | | |
| 3F | | |
| 40 | | |
| 41 | | |
| 42 | | |
| 43 | | Fixed data-2 |
| 44 | | Fixed data-1 |
| 45 | | Fixed data-2 |
| 46 | | Fixed data-1 |
| 47 | | (Initialized data) |
| 48 | | Fixed data-2 |
| 49 | | |
| 4A | | Fixed data-1 |
| 4B | | (Initialized data) |
| 4C | | |
| 4D | | |
| 4E | | |
| 4F | | Fixed data-2 |
| 50 | | Fixed data-1 |
| 51 | | (Initialized data) |
| 52 | | |
| 53 | | |
| 54 | | |
| 55 | | |
| 56 | | |
| 57 | | |
| 58 | | |
| 59 | | |
| 5A | | |
| 5B | | |
| 5C | | |
| 5D | | |
| 5E | | |
| 5F | | |
| 60 | | |
| 61 | | |
| 62 | | |

: Changed points

| Address | Initial value | Remark |
|---|---|---|
| 63 | | Fixed data-1 |
| 64 | | (Initialized data) |
| 65 | | |
| 66 | | |
| 67 | | |
| 68 | | |
| 69 | | |
| 6A | | Fixed data-2 |
| 6B | | Fixed data-1 |
| 6C | | (Initialized data) |
| 6D | | |
| 6E | | |
| 6F | | |
| 70 | | Fixed data-2 |
| 71 | | |
| 72 | | |
| 73 | | Fixed data-1 |
| 74 | | (Initialized data) |
| 75 | | |
| 76 | | |
| 77 | | Fixed data-2 |
| 78 | | Fixed data-1 |
| 79 | | (Initialized data) |
| 7A | | |
| 7B | | |
| 7C | | |
| 7D | | |
| 7E | | |
| 7F | | |
| 80 | | |
| 81 | | |
| 82 | | |
| 83 | | |
| 84 | | |
| 85 | | |
| 86 | | |
| 87 | | |
| 88 | | |
| 89 | | |
| 8A | | |
| 8B | | |
| 8C | | |
| 8D | | |
| 8E | | |
| 8F | | |
| 90 | | |
| 91 | | |
| 92 | | Fixed data-2 |
| 93 | | Fixed data-1 |
| 94 | | (Initialized data) |
| 95 | | |
| 96 | | |

| Address | Initial value | Remark |
|---|---|---|
| 97 | | Fixed data-1 |
| 98 | | (Initialized data) |
| 99 | | |
| 9A | | Fixed data-2 |
| 9B | | |
| 9C | | |
| 9D | | Fixed data-1 |

## 1-3. CAMERA SYSTEM ADJUSTMENTS

### 1. HALL adjustment

(See original service manual page 5-13.)

: Changed points

21) Read DDS displayed data, and assume it as $W_0$. If $W_0$ is in a rage of "76 to 7A", perform "processing after adjust-ment finished". If out of the range, make the following adjustment.
22) Convert $W_0$ into decimal number to get $W_0$'.
23) Calculate $X_2$' with the formulas given below (calculate decimal numbers).

$$C' = W_0' + K_1' - W_1' - 21 \quad \text{..... Formula 4}$$

$$D' = K_1' - W_1'$$

$$X_2' = \frac{(100 + D') \times (X_1' - 48) + (48 \times C')}{C'} \quad \text{..... Formula 5}$$

($X_1$' is obtained from formula 3)

24) Convert $X_2$' into decimal number to get $X_2$. (Round off the decimal place.)
25) Set data: $X_2$ to page: F, address: C7, and press the PAUSE button on the adjustment remote commander.
26) Change the data on page: F, address: C8, so that DDS displayed data is "78".
27) Press the PAUSE button on the adjustment remote commander.
28) Set data: 01 to page: 2, address: 01, and press the PAUSE button on the adjustment remote commander.
29) Confirm that DDS displayed data is in a range of "12 to 16".

**Processing after adjustment finished:**

1) Set data: 00 to page: 2, address: 01, and press the PAUSE button on the adjustment remote commander.
2) Set data: 00 to page: 0, address: 03.
3) Set data: 00 to page: 0, address: 01.

### 2. Flange back adjustment

The flange back of inner focus lens is adjusted auto-matically.

| | |
|---|---|
| Subject | Flange back adjustment chart (2 m ± 5 mm position from lens front) (Illuminance: 250 ± 50 lux) |
| Measurement point Measuring equipment | Operation check on LCD screen |
| Adjustment page | F |
| Adjustment address | B6 to BB, BE to C5 |

**Adjustment procedure:**

1) Confirm that the center of flange back adjustment chart coincides with the center of image screen with the zoom lens at the TELE position and WIDE position respectively.
2) Set data: 01 to page: 0, address: 01.
3) Make sure that the data on page: F, address: B6 to BB, BE to C5 are initial values listed in table below.

| Address | Data | Address | Data | Address | Data |
|---|---|---|---|---|---|
| B6 | CD | BE | 00 | C4 | 2E |
| B7 | 19 | BF | 00 | C5 | 00 |
| B8 | 92 | C0 | 41 | | |
| B9 | 21 | C1 | 00 | | |
| BA | 12 | C2 | 19 | | |
| BB | 14 | C3 | 00 | | |

4) Confirm that the data on page: 2, address: 02 is "00".
5) Set data: 13 to page: 2, address: 01, and press the PAUSE button on the adjustment remote commander.
6) Set data: 15 to page: 2, address: 01, and press the PAUSE button on the adjustment remote commander. (The adjustment data are automatically entered to page: F, address: B6 to BB, BE to C5.)
7) Confirm that the data on page: 2, address: 02 is "01".

**Processing after adjustment finished:**

1) Set data: 00 to page: 2, address: 01, and press the PAUSE button on the adjustment remote commander.
2) Turn off the main power supply (7.2 V).

### 3. Flange back check

(See original service manual page 5-3.)

: Changed points

: Deleted points

| | |
|---|---|
| Subject | Siemens Star<br>(2 m position from lens front)<br>(Illuminance: about 200 lux) |
| Measurement point | Check on LCD screen |
| Measuring equipment | |
| Specification value | Focus is in order at TELE position and WIDE position |

**Switch setting:**

1) IRIS OPEN (Illuminance : about 200 lux)

**Checking procedure:**

1) Place the Siemens Star at 2 m position from the front face of lens.
2) Reduce the illuminance of lighting to the Siemens star to the extent that noise does not appear on the LCD screen, so as to make the iris open.
3) Shoot the Siemens Star with the zoom lens at TELE position.
4) Adjust the just focus in the AUTO FOCUS.
5) Confirm that the focus is in order. (Note 1)
5) Set data: 10 to page: 2, address: 21, and press the PAUSE button on the adjustment remote commander.
6) Shoot the Siemens Star with the zoom lens at WIDE position.
7) Confirm that all are focus.

**Processing after checking finished:**

1) Set data: 00 to page: 2, address: 21, and press the PAUSE button on the adjustment remote commander.
2) Set data: 00 to page: 0, address: 03.

### 4. Picture frame setting

| | |
|---|---|
| Subject | Color bar chart standard picture frame |
| Measurement point | Test point (VG) of CPC-9 jig |
| Measuring equipment | Oscilloscope and LCD screen |
| Specification value | A=B, C=D, t=0 ± 0.1 msec |

**Switch setting:**

1) AUTO FOCUS/MANUAL ..... AUTO FOCUS

**Setting procedure:**

1) Adjust the focus using the focus knob.
2) Adjust direction and zoom of camera so that the picture frame is adjusted as specified by Fig. 5-1-2 and Fig. 5-1-3.
3) Write down markings on the picture frame on the monitor screen. If the "color bar chart standard picture frame" or "white pattern standard picture frame" is specified in the following adjustment items, obtain this picture frame.

**Confirm with an oscilloscope (TP-VG of CPC-9 jig)**

Horizontal rate

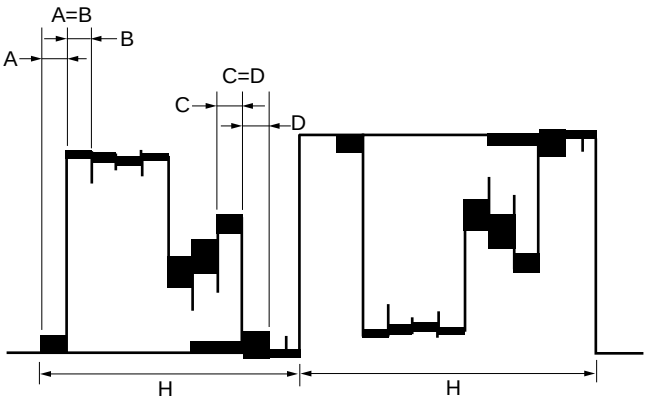



Fig. 5-1-2

Vertical rate

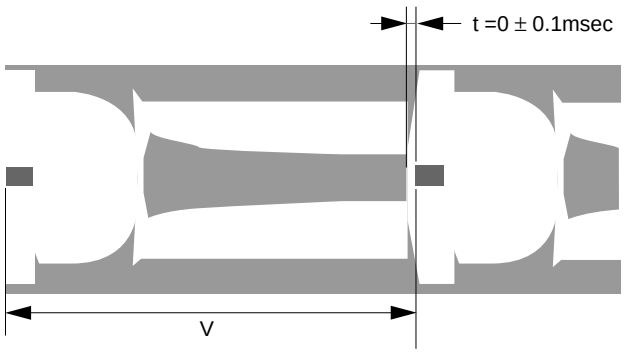



Fig. 5-1-3

Confirm on LCD (underscanned display)

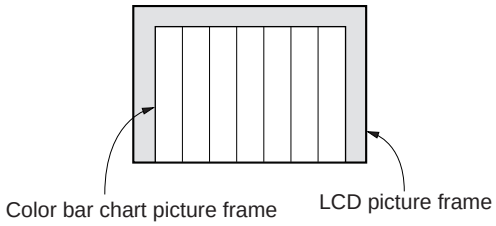



Fig. 5-1-4

## 1-4. LCD SYSTEM ADJUSTMENT

### 1. D RANGE adjustment (PK-46 board)

(See original service manual page 5-20.)

: Changed point

This adjustment sets correctly the D range of LCD driver.
If disordered, LCD screen will blur or white blur.

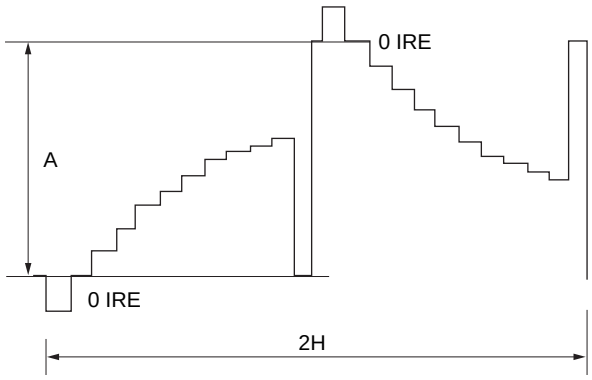
| Mode | Playback |
|---|---|
| Signal | Alignment disk: Stair-step signal of 10 steps |
| Measurement point | CN802 ⑨ pin (VG)<br>External trigger: CN802 ⑦ pin (HSY) |
| Measuring equipment | Oscilloscope |
| Adjustment page | F |
| Adjustment address | 38 |
| Specification value | A=3.99 ± 0.05 Vp-p (SHARP)<br>A=2.98 ± 0.05 Vp-p (CASIO) |

**Adjustment procedure:**

1) Set data: 01 to page: 0, address: 01.
2) Change the data on page: F, address: 38 so that the voltage (A) between pedestal of inverted waveform and pedestal of noninverted waveform satisfies the specification value.
3) Press the PAUSE button on the adjustment remote commander.

**Processing after adjustment finished:**

1) Set data: 00 to page: 0, address: 01.




A: Pedestal level difference between 1H period and previous 1H period.

Fig. 5-1-5

### 2. BRIGHT adjustment (PK-46 board)

This adjustment sets correctly the VIDEO signal level that drives the LCD. If disordered, LCD screen will not be sharp, or will white blur or black blur.

(See original service manual page 5-20.)

: Changed point

| Mode | Playback |
|---|---|
| Signal | Alignment disk: Stair-step signal of 10 steps |
| Measurement point | CN802 ⑨ pin (VG)<br>External trigger: CN802 ⑦ pin (HSY) |
| Measuring equipment | Oscilloscope |
| Adjustment page | F |
| Adjustment address | 30 |
| Specification value | A=1.78 ± 0.05 Vp-p (SHARP)<br>A=1.34 ± 0.05 Vp-p (CASIO) |

**Adjustment procedure:**

1) Set data: 01 to page: 0, address: 01.
2) Set data: 08 to page: 3, address: 18, and press the PAUSE button on the adjustment remote commander.
3) Change the data on page: F, address: 30 so that the voltage (A) satisfies the specification value. (Confirm that the data at address: 30 is more than “41”, and less than “BF”.)
4) Press the PAUSE button on the adjustment remote commander.

**Processing after adjustment finished:**

1) Set data: 00 to page: 3, address: 18, and press the PAUSE button on the adjustment remote commander.
2) Set data: 00 to page: 0, address: 01.

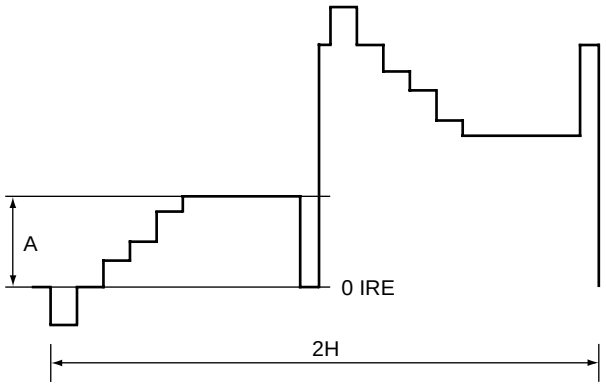



Fig. 5-1-6

### 6. CONTRAST adjustment (PK-46 board)

(See original service manual page 5-21.)

: Deleted point

: Changed point

This adjustment sets correctly the VIDEO signal level that drives the LCD. If disordered, LCD screen will not be sharp, or will white blur or black blur.

| | |
|---|---|
| Mode | Playback |
| Signal | Alignment disk: Stair-step signal of 10 steps |
| Measurement point | CN802 ⑨ pin (VG)<br>External trigger: CN802 ⑦ pin (HSY) |
| Measuring equipment | Oscilloscope |
| Adjustment page | F |
| Adjustment address | 35 |
| Specification value | A=2.90 ± 0.07 Vp-p (SHARP)<br>A=2.54 ± 0.07 Vp-p (CASIO) |

**Adjustment procedure:**

1) Set data: 01 to page: 0, address: 01.
2) Set data: 60 to page: 3, address: 18.
3) Change the data on page: F, address: 35 so that the voltage (A) between pedestal (0IRE) and 100IRE satisfies the specification value.
4) Press the PAUSE button on the adjustment remote commander.

**Processing after adjustment finished:**

1) Set data: 00 to page: 0, address: 01.
2) Confirm that the specification value of the "BRIGHT adjustment" is satisfied. If not, perform the "BRIGHT adjustment".

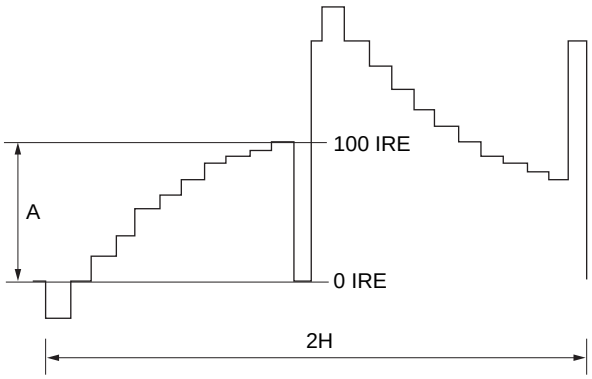



Fig. 5-1-7

## 1-5. SYSTEM CONTROL ADJUSTMENT

### 1. Battery down adjustment (FC-69 board)

(See original service manual page 5-23E.)

: Changed point

This adjustment specifies the battery end voltage. If disordered, the battery service life will be shortened, or images will be deformed at the battery end.

| | |
|---|---|
| Mode | Camera record |
| Signal | Any |
| Measurement point | LCD screen on the adjustment remote<br>Measuring equipment commander |
| Adjustment page | F |
| Adjustment address | 18 to 1C |

**Switch setting:**

1) IRIS OPEN (BLACK)

**Connection:**

1) Connect the regulated power supply and a digital voltmeter as shown in Fig. 5-1-8.

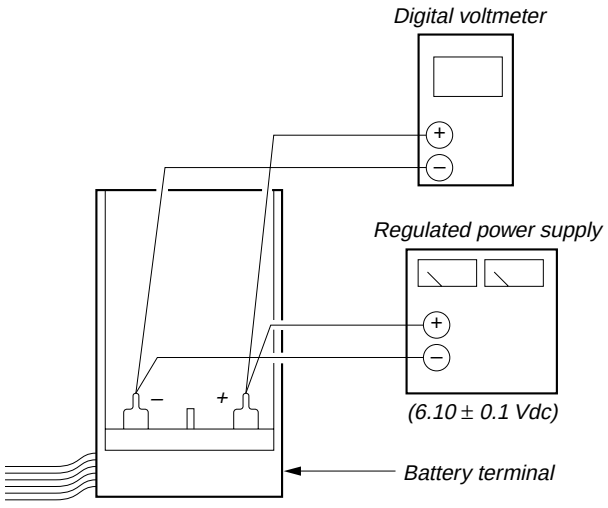



Fig. 5-1-8

# SECTION 6
# DIFFERENT PARTS LIST

## 6-1. EXPLODED VIEWS

**Note:**

- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.

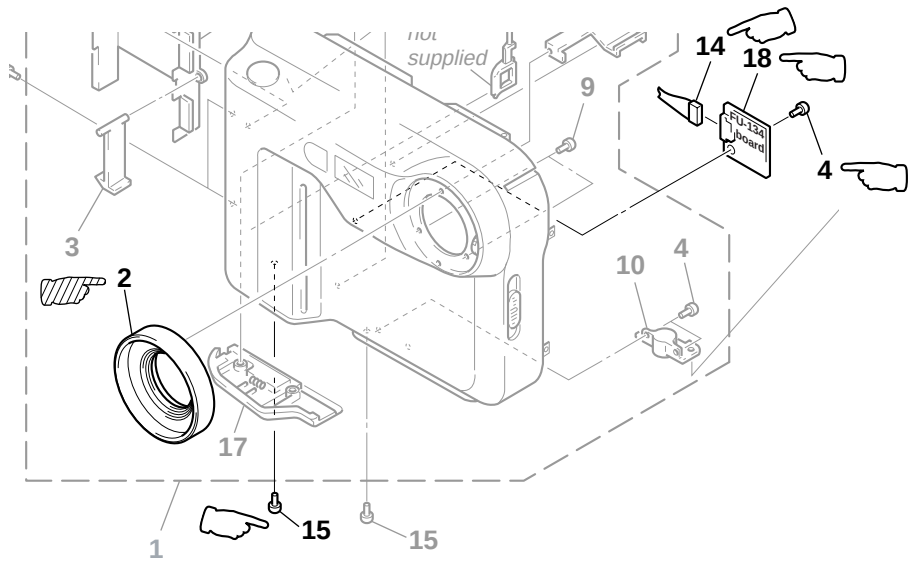
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

### 6-1-1. CABINET (FRONT) SECTION

(See original service manual pages 6-1 to 6-3)

☞ : Points added parts.
☞ : Point changed parts.




| MVC-FD71 | | | | MVC-FD73 | | | |
|---|---|---|---|---|---|---|---|
| Ref. No. | Part No. | Description | Remark | Ref. No. | Part No. | Description | Remark |
| 1 | X-3948-761-1 | CABINET (FRONT) ASSY | | 1 | X-3949-574-1 | CABINET (FRONT) ASSY | |
| 2 | X-3948-906-1 | RING ASSY, LENS | | 2 | X-3949-829-1 | RING ASSY, LENS | |
| 9 | 3-051-435-01 | SCREW (M1.7) | | 9 | 3-713-791-31 | SCREW (M1.7x6), TAPPING, P2 | |
| 11 | 1-694-297-11 | TERMINAL BOARD, BATTERY | | 11 | 1-694-297-21 | TERMINAL BOARD, BATTERY | |
| 12 | A-7073-591-A | RL-50 BOARD, COMPLETE | | 12 | A-7073-966-A | RL-53 BOARD, COMPLETE | |
| 14 | 1-475-842-11 | MF BLOCK | | 14 | 1-959-715-11 | HARNESS (FF-195) | |
| 17 | X-3948-918-1 | LID ASSY, BATTERY | | 17 | X-3949-587-1 | LID ASSY BATTERY | |
| 18 | ——— | | | 18 | A-7073-965-A | FU-134 BOARD, COMPLETE | |
| **6-1-2. CABINET (REAR) SECTION** | | | | | | | |
| 51 | A-7093-879-A | FC-66 BOARD, COMPLETE (SERVICE) | | 51 | A-7094-350-A | FC-69 BOARD, COMPLETE (SERVICE) | |
| 54 | X-3948-765-1 | FRAME ASSY, MAIN | | 54 | X-3948-765-2 | FRAME ASSY, MAIN | |
| 58 | X-3948-762-1 | CABINET (REAR) ASSY | | 58 | X-3949-575-2 | CABINET (REAR) ASSY | |
| 60 | 3-050-456-01 | CABINET, SIDE | | 60 | 3-054-882-02 | CABINET, SIDE | |
| 62 | 3-050-500-01 | KNOB, EJECT | | 62 | 3-050-500-11 | KNOB, EJECT | |
| 63 | 3-050-906-01 | BUTTON, EJECT LOCK | | 63 | 3-050-906-11 | BUTTON, EJECT LOCK | |
| 67 | 3-050-488-01 | LID, LITHIUM | | 67 | 3-050-488-11 | LID, LITHIUM | |
| 71 | A-7093-880-A | PK-43 (CASIO) BOARD, COMPLETE (SERVICE) | | 71 | A-7094-351-A | PK-46 (C) BOARD, COMPLETE | |
| 71 | A-7093-881-A | PK-43 (SHARP) BOARD, COMPLETE (SERVICE) | | | ——— | | |
| 73 | 3-051-700-02 | SHEET, BLIND | | | ——— | | |
| LCD901 | 1-803-036-21 | INDICATOR MODULE, LIQUID CRYSTAL (SHARP) | | LCD901 | 1-803-036-21 | INDICATOR MODULE, LIQUID CRYSTAL | |
| LCD901 | 1-803-184-21 | INDICATOR MODULE, LIQUID CRYSTAL (CASIO) | | | | | |
| ⚠ND801 | 1-517-787-11 | TUBE, FLUORESCENT, COLD CATHODE | | ⚠ND801 | 1-517-817-21 | TUBE, FLUORESCENT, COLD CATHODE (2.5) | |
| **6-1-2. CABINET (REAR) SECTION** | | | | | | | |
| 108 | A-7073-962-A | CD-227 BOARD, COMPLETE | | 108 | A-7073-962-A | CD-227 BOARD, COMPLETE | |

## 6-2. ELECTRICAL PARTS LIST

Note:

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une piéce portant le numéro spécifié.

When indicating parts by reference number, please include the board name.

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX, -X mean standardized parts, so they may have some difference from the original one.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- RESISTORS
  All resistors are in ohms
  METAL: Metal-film resistor
  METAL OXIDE: Metal Oxide-film resistor
  F : nonflammable
- SEMICONDUCTORS
  In each case, u: µ , for example:
  uA...: µ A..., uPA...: µ PA..., uPB...: µ PB..., uPC...: µ PC..., uPD...: µ PD...
- CAPACITORS
  uF : µ F
- COILS
  uH : µ H
- Abbreviation
  CND : Canadian model
  HK : Hong Kong model
  AUS : Australian model
  JE : Tourist model

| Ref. No. | Part No. | Description | | | Remark |
|---|---|---|---|---|---|
| | A-7073-962-A | CD-227 BOARD, COMPLETE | | | |
| | | ********** | | | |
| | | (Ref. No. 2,000 Series) | | | |
| | | (IC401 is not including to the mounted board) | | | |
| | | < CAPACITOR > | | | |
| C401 | 1-107-826-91 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C403 | 1-107-826-91 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C404 | 1-135-214-21 | TANTAL. CHIP | 4.7uF | 20% | 20V |
| C405 | 1-135-210-11 | TANTALUM CHIP | 4.7uF | 20% | 10V |
| | | < CONNECTOR > | | | |
| CN401 | 1-766-346-21 | CONNECTOR, FFC/FPC 16P | | | |
| | | < IC > | | | |
| IC401 | A-7030-901-A | CCD BLOCK ASSY (CCD IMAGER) | | | |
| | | < COIL > | | | |
| L401 | 1-414-757-11 | INDUCTOR | 100uH | | |
| | | < TRANSISTOR > | | | |
| Q401 | 8-729-117-73 | TRANSISTOR | 2SC4178-F13F14-T1 | | |
| | | < RESISTOR > | | | |
| R401 | 1-216-827-11 | METAL CHIP | 3.3K | 5% | 1/16W |
| R402 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/16W |
| R403 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/16W |
| ********** | | | | | |
| | A-709-435-0A | FC-69 BOARD, COMPLETE (SERVICE) | | | |
| | | ********** | | | |
| | | (Ref. No. 1,000 Series) | | | |
| | | < CAPACITOR > | | | |
| C103 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C104 | 1-135-259-11 | TANTAL. CHIP | 10uF | 20% | 6.3V |
| C107 | 1-162-964-11 | CERAMIC CHIP | 0.001uF | 10% | 50V |
| C108 | 1-135-214-21 | TANTAL. CHIP | 4.7uF | 20% | 20V |
| C109 | 1-115-156-11 | CERAMIC CHIP | 1uF | | 10V |
| C110 | 1-163-021-91 | CERAMIC CHIP | 0.01uF | 10% | 50V |
| C111 | 1-162-974-11 | CERAMIC CHIP | 0.01uF | | 50V |
| C112 | 1-107-826-91 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C113 | 1-162-964-11 | CERAMIC CHIP | 0.001uF | 10% | 50V |
| C114 | 1-162-909-11 | CERAMIC CHIP | 4PF | 0.25PF | 50V |
| C116 | 1-107-826-91 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C117 | 1-107-826-91 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C119 | 1-107-826-91 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C120 | 1-107-826-91 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C121 | 1-107-826-91 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C122 | 1-107-826-91 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C124 | 1-107-826-91 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C125 | 1-107-826-91 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C126 | 1-107-826-91 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C127 | 1-107-826-91 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C129 | 1-164-346-11 | CERAMIC CHIP | 1uF | | 16V |
| C130 | 1-162-909-11 | CERAMIC CHIP | 4PF | 0.25PF | 50V |
| C131 | 1-107-826-91 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C132 | 1-107-826-91 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C133 | 1-162-923-11 | CERAMIC CHIP | 47PF | 5% | 50V |
| C134 | 1-162-923-11 | CERAMIC CHIP | 47PF | 5% | 50V |
| C136 | 1-119-750-11 | TANTAL. CHIP | 22uF | 20% | 6.3V |
| C302 | 1-107-826-91 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C303 | 1-107-826-91 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C401 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C402 | 1-164-227-11 | CERAMIC CHIP | 0.022uF | 10% | 25V |
| C403 | 1-109-982-11 | CERAMIC CHIP | 1uF | 10% | 10V |
| C404 | 1-107-826-91 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C405 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C406 | 1-162-967-11 | CERAMIC CHIP | 0.0033uF | 10% | 50V |
| C407 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C408 | 1-164-677-11 | CERAMIC CHIP | 0.033uF | 10% | 16V |
| C409 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C410 | 1-107-826-91 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C411 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C412 | 1-113-682-11 | TANTAL. CHIP | 33uF | 20% | 10V |
| C413 | 1-164-227-11 | CERAMIC CHIP | 0.022uF | 10% | 25V |
| C415 | 1-162-964-11 | CERAMIC CHIP | 0.001uF | 10% | 50V |
| C416 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C417 | 1-164-346-11 | CERAMIC CHIP | 1uF | | 16V |
| C418 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C419 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C422 | 1-107-826-91 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C501 | 1-104-852-11 | TANTAL. CHIP | 22uF | 20% | 10V |
| C502 | 1-107-826-91 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C503 | 1-107-826-91 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C504 | 1-107-826-91 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C602 | 1-107-826-91 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C603 | 1-107-826-91 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C604 | 1-107-826-91 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C605 | 1-107-826-91 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C606 | 1-107-826-91 | CERAMIC CHIP | 0.1uF | 10% | 16V |

| Ref. No. | Part No. | Description | | | Remark |
|---|---|---|---|---|---|
| C607 | 1-107-682-11 | CERAMIC CHIP | 1uF | 10% | 16V |
| C608 | 1-107-682-11 | CERAMIC CHIP | 1uF | 10% | 16V |
| C611 | 1-107-682-11 | CERAMIC CHIP | 1uF | 10% | 16V |
| C701 | 1-115-156-11 | CERAMIC CHIP | 1uF | | 10V |
| C702 | 1-115-156-11 | CERAMIC CHIP | 1uF | | 10V |
| C703 | 1-107-826-91 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C704 | 1-119-750-11 | TANTAL. CHIP | 22uF | 20% | 6.3V |
| C706 | 1-119-750-11 | TANTAL. CHIP | 22uF | 20% | 6.3V |
| C707 | 1-107-826-91 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C708 | 1-164-227-11 | CERAMIC CHIP | 0.022uF | 10% | 25V |
| C709 | 1-107-826-91 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C713 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C714 | 1-162-917-11 | CERAMIC CHIP | 15PF | 5% | 50V |
| C715 | 1-162-919-11 | CERAMIC CHIP | 22PF | 5% | 50V |
| C716 | 1-107-826-91 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C717 | 1-107-826-91 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C718 | 1-107-826-91 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C720 | 1-115-156-11 | CERAMIC CHIP | 1uF | | 10V |
| C724 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C725 | 1-162-968-11 | CERAMIC CHIP | 0.0047uF | 10% | 50V |
| C726 | 1-135-177-21 | TANTALUM CHIP | 1uF | 20% | 20V |
| C727 | 1-162-964-11 | CERAMIC CHIP | 0.001uF | 10% | 50V |
| C804 | 1-110-563-11 | CERAMIC CHIP | 0.068uF | 10% | 16V |
| C805 | 1-107-826-91 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C806 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C807 | 1-107-826-91 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C808 | 1-162-969-11 | CERAMIC CHIP | 0.0068uF | 10% | 25V |
| C810 | 1-107-826-91 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C811 | 1-115-467-11 | CERAMIC CHIP | 0.22uF | 10% | 10V |
| C812 | 1-107-823-11 | CERAMIC CHIP | 0.47uF | 10% | 16V |
| C813 | 1-162-919-11 | CERAMIC CHIP | 22PF | 5% | 50V |
| C814 | 1-115-467-11 | CERAMIC CHIP | 0.22uF | 10% | 10V |
| C815 | 1-107-826-91 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C818 | 1-164-315-11 | CERAMIC CHIP | 470PF | 5% | 50V |
| C819 | 1-109-982-11 | CERAMIC CHIP | 1uF | 10% | 10V |
| C820 | 1-107-826-91 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C821 | 1-119-750-11 | TANTAL. CHIP | 22uF | 20% | 6.3V |
| C825 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C902 | 1-164-218-11 | CERAMIC CHIP | 180PF | 0.25PF | 50V |
| C903 | 1-107-826-91 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C904 | 1-107-826-91 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C905 | 1-164-227-11 | CERAMIC CHIP | 0.022uF | 10% | 25V |
| C906 | 1-162-964-11 | CERAMIC CHIP | 0.001uF | 10% | 50V |
| C908 | 1-164-227-11 | CERAMIC CHIP | 0.022uF | 10% | 25V |
| C909 | 1-164-227-11 | CERAMIC CHIP | 0.022uF | 10% | 25V |
| C910 | 1-164-227-11 | CERAMIC CHIP | 0.022uF | 10% | 25V |
| C914 | 1-162-968-11 | CERAMIC CHIP | 0.0047uF | 10% | 50V |
| C915 | 1-164-227-11 | CERAMIC CHIP | 0.022uF | 10% | 25V |
| C916 | 1-107-826-91 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C918 | 1-162-962-11 | CERAMIC CHIP | 470PF | 10% | 50V |
| C919 | 1-162-962-11 | CERAMIC CHIP | 470PF | 10% | 50V |
| C921 | 1-104-913-11 | TANTAL. CHIP | 10uF | 20% | 16V |
| C922 | 1-162-962-11 | CERAMIC CHIP | 470PF | 10% | 50V |
| C923 | 1-162-962-11 | CERAMIC CHIP | 470PF | 10% | 50V |
| C925 | 1-162-964-11 | CERAMIC CHIP | 0.001uF | 10% | 50V |
| C926 | 1-162-964-11 | CERAMIC CHIP | 0.001uF | 10% | 50V |
| C927 | 1-162-964-11 | CERAMIC CHIP | 0.001uF | 10% | 50V |
| C928 | 1-162-964-11 | CERAMIC CHIP | 0.001uF | 10% | 50V |
| C929 | 1-115-566-11 | CERAMIC CHIP | 4.7uF | 10% | 10V |
| C930 | 1-115-566-11 | CERAMIC CHIP | 4.7uF | 10% | 10V |
| C931 | 1-115-566-11 | CERAMIC CHIP | 4.7uF | 10% | 10V |
| C932 | 1-115-566-11 | CERAMIC CHIP | 4.7uF | 10% | 10V |
| C933 | 1-115-566-11 | CERAMIC CHIP | 4.7uF | 10% | 10V |
| C934 | 1-135-216-11 | TANTALUM CHIP | 10uF | 20% | 10V |
| C935 | 1-135-216-11 | TANTALUM CHIP | 10uF | 20% | 10V |
| C936 | 1-135-216-11 | TANTALUM CHIP | 10uF | 20% | 10V |
| C937 | 1-164-506-11 | CERAMIC CHIP | 4.7uF | | 16V |
| C938 | 1-164-506-11 | CERAMIC CHIP | 4.7uF | | 16V |
| C939 | 1-164-506-11 | CERAMIC CHIP | 4.7uF | | 16V |
| C940 | 1-135-214-21 | TANTAL. CHIP | 4.7uF | 20% | 20V |
| C942 | 1-164-227-11 | CERAMIC CHIP | 0.022uF | 10% | 25V |
| C943 | 1-135-216-11 | TANTALUM CHIP | 10uF | 20% | 10V |
| C944 | 1-107-823-11 | CERAMIC CHIP | 0.47uF | 10% | 16V |
| C945 | 1-165-319-11 | CERAMIC CHIP | 0.1uF | | 50V |
| C946 | 1-165-319-11 | CERAMIC CHIP | 0.1uF | | 50V |
| C947 | 1-107-823-11 | CERAMIC CHIP | 0.47uF | 10% | 16V |
| C948 | 1-113-986-11 | TANTAL. CHIP | 2.2uF | 20% | 25V |
| C949 | 1-164-506-11 | CERAMIC CHIP | 4.7uF | | 16V |
| C950 | 1-104-851-11 | TANTAL. CHIP | 10uF | 20% | 10V |
| C951 | 1-107-682-11 | CERAMIC CHIP | 1uF | 10% | 16V |

< CONNECTOR >

| | | |
|---|---|---|
| CN101 | 1-779-332-11 | CONNECTOR, FFC/FPC 16P |
| CN401 | 1-779-334-11 | CONNECTOR, FFC/FPC 20P |
| CN602 | 1-778-084-11 | CONNECTOR, BOARD TO BOARD 60P |
| CN901 | 1-770-625-21 | PIN, CONNECTOR 8P |
| CN907 | 1-770-620-21 | PIN, CONNECTOR 3P |
| CN910 | 1-770-630-21 | PIN, CONNECTOR 13P |

< DIODE >

| | | |
|---|---|---|
| D701 | 8-719-049-09 | DIODE 1SS367-T3SONY |
| D702 | 8-719-073-01 | DIODE MA111-(K8).S0 |
| D703 | 8-719-049-09 | DIODE 1SS367-T3SONY |
| D706 | 8-719-061-82 | DIODE TLSU1002(TPX1,SONY)(SELF TIMER) |
| D904 | 8-719-027-76 | DIODE 1SS357-TPH3 |
| D905 | 8-719-027-77 | DIODE MA796-TX |
| D906 | 8-719-073-01 | DIODE MA111-(K8).S0 |
| D907 | 8-719-073-01 | DIODE MA111-(K8).S0 |

< FERRITE BEAD >

| | | |
|---|---|---|
| FB101 | 1-500-283-11 | INDUCTOR CHIP 0UH |
| FB102 | 1-414-228-11 | INDUCTOR CHIP 0UH |
| FB103 | 1-500-284-21 | INDUCTOR CHIP 0UH |
| FB104 | 1-414-228-11 | INDUCTOR CHIP 0UH |

< IC >

| | | |
|---|---|---|
| IC102 | 8-759-526-24 | IC CCD1000Y/T2 |
| IC103 | 8-752-391-91 | IC CXD2450R-T4 |
| IC104 | 8-752-397-30 | IC CXD3137AR-T6 |
| IC301 | 8-759-364-05 | IC M62376GP-65AD |
| IC401 | 8-759-337-40 | IC NJM2904V(TE2) |
| IC402 | 8-759-475-79 | IC uPD16833AG3-E2 |
| IC403 | 8-752-377-38 | IC CXD2430N-T4 |

| Ref. No. | Part No. | Description | Remark |
|---|---|---|---|
| IC404 | 8-759-338-78 | IC BA10324AFV-E2 | |
| IC501 | 8-759-543-83 | IC GM71VS18163CLT-6TR | |
| IC503 | 8-752-393-45 | IC CXD3136R-T6 | |
| IC601 | 8-752-384-33 | IC CXD3121R-T4 | |
| IC701 | 8-759-298-10 | IC S-8423NFS-T2 | |
| IC702 | 8-759-587-62 | IC S579SGX50130MP1PZ-TEB | |
| IC703 | 8-759-445-94 | IC AK6480AM-E2 | |
| IC705 | 8-759-535-20 | IC MB90097PFV-G-109-BND-ER | |
| IC801 | 8-759-458-76 | IC uPD72069GF-3BA | |
| IC802 | 8-759-196-97 | IC TC7SH32FU-TE85R | |
| IC803 | 8-759-466-32 | IC TA8563FN(EL) | |
| IC804 | 8-759-549-15 | IC SN74LV245APWR | |
| IC805 | 8-759-083-94 | IC TC7W74FU(TE12R) | |
| IC806 | 8-759-557-74 | IC HD6437410A13FSN | |
| IC807 | 8-759-589-52 | IC MBM29LV200BC-90PFTN-032-ER | |
| IC901 | 8-759-060-94 | IC MB3785APFV-G-BND-ER | |
| | | < COIL > | |
| L101 | 1-414-754-11 | INDUCTOR 10uH | |
| L102 | 1-216-295-91 | SHORT 0 | |
| L301 | 1-216-295-91 | SHORT 0 | |
| L401 | 1-414-078-11 | INDUCTOR 10uH | |
| L403 | 1-414-078-11 | INDUCTOR 10uH | |
| L404 | 1-414-754-11 | INDUCTOR 10uH | |
| L501 | 1-412-951-11 | INDUCTOR 10uH | |
| L601 | 1-216-295-91 | SHORT 0 | |
| L701 | 1-414-754-11 | INDUCTOR 10uH | |
| L801 | 1-414-754-11 | INDUCTOR 10uH | |
| L802 | 1-414-402-11 | INDUCTOR 47uH | |
| L901 | 1-416-344-11 | INDUCTOR 10uH | |
| L902 | 1-416-344-11 | INDUCTOR 10uH | |
| L903 | 1-416-511-11 | INDUCTOR 47uH | |
| L904 | 1-416-345-11 | INDUCTOR 22uH | |
| L905 | 1-416-345-11 | INDUCTOR 22uH | |
| L906 | 1-412-056-11 | INDUCTOR CHIP 4.7uH | |
| L907 | 1-412-056-11 | INDUCTOR CHIP 4.7uH | |
| L908 | 1-412-052-21 | INDUCTOR CHIP 1uH | |
| L909 | 1-412-066-21 | INDUCTOR CHIP 220uH | |
| L910 | 1-412-056-11 | INDUCTOR CHIP 4.7uH | |
| | | < TRANSISTOR > | |
| Q101 | 8-729-037-61 | TRANSISTOR RN2104F(TPL3) | |
| Q102 | 8-729-042-29 | TRANSISTOR RN1104F(TPL3) | |
| Q103 | 8-729-037-61 | TRANSISTOR RN2104F(TPL3) | |
| Q104 | 8-729-042-29 | TRANSISTOR RN1104F(TPL3) | |
| Q401 | 8-729-037-53 | TRANSISTOR 2SA1832F-Y/GR(TPL3) | |
| Q402 | 8-729-037-52 | TRANSISTOR 2SC4738F-Y/GR(TPL3) | |
| Q403 | 8-729-037-52 | TRANSISTOR 2SC4738F-Y/GR(TPL3) | |
| Q601 | 8-729-037-52 | TRANSISTOR 2SC4738F-Y/GR(TPL3) | |
| Q602 | 8-729-037-52 | TRANSISTOR 2SC4738F-Y/GR(TPL3) | |
| Q603 | 8-729-037-52 | TRANSISTOR 2SC4738F-Y/GR(TPL3) | |
| Q701 | 8-729-047-68 | TRANSISTOR SSM3K03FE(TPL3) | |
| Q702 | 8-729-032-62 | TRANSISTOR 2SJ347-TE85L | |
| Q703 | 8-729-042-29 | TRANSISTOR RN1104F(TPL3) | |
| Q704 | 8-729-042-29 | TRANSISTOR RN1104F(TPL3) | |
| Q706 | 8-729-042-29 | TRANSISTOR RN1104F(TPL3) | |

| Ref. No. | Part No. | Description | Remark |
|---|---|---|---|
| Q707 | 8-729-037-52 | TRANSISTOR 2SC4738F-Y/GR(TPL3) | |
| Q708 | 8-729-042-29 | TRANSISTOR RN1104F(TPL3) | |
| Q801 | 8-729-037-61 | TRANSISTOR RN2104F(TPL3) | |
| Q802 | 8-729-042-29 | TRANSISTOR RN1104F(TPL3) | |
| Q803 | 8-729-042-29 | TRANSISTOR RN1104F(TPL3) | |
| Q906 | 8-729-033-14 | TRANSISTOR FP107-TL | |
| Q907 | 8-729-804-41 | TRANSISTOR 2SB1122-ST-TD | |
| Q908 | 8-729-033-14 | TRANSISTOR FP107-TL | |
| Q909 | 8-729-033-14 | TRANSISTOR FP107-TL | |
| Q910 | 8-729-042-29 | TRANSISTOR RN1104F(TPL3) | |
| Q911 | 8-729-037-52 | TRANSISTOR 2SC4738F-Y/GR(TPL3) | |
| Q912 | 8-729-015-60 | TRANSISTOR 2SJ316-TD | |
| Q913 | 8-729-042-29 | TRANSISTOR RN1104F(TPL3) | |
| Q914 | 8-729-037-61 | TRANSISTOR RN2104F(TPL3) | |
| Q915 | 8-729-042-29 | TRANSISTOR RN1104F(TPL3) | |
| Q916 | 8-729-037-52 | TRANSISTOR 2SC4738F-Y/GR(TPL3) | |
| Q917 | 8-729-037-52 | TRANSISTOR 2SC4738F-Y/GR(TPL3) | |
| Q918 | 8-729-037-53 | TRANSISTOR 2SA1832F-Y/GR(TPL3) | |
| Q919 | 8-729-037-53 | TRANSISTOR 2SA1832F-Y/GR(TPL3) | |
| Q920 | 8-729-037-52 | TRANSISTOR 2SC4738F-Y/GR(TPL3) | |
| Q921 | 8-729-037-52 | TRANSISTOR 2SC4738F-Y/GR(TPL3) | |
| Q922 | 8-729-037-53 | TRANSISTOR 2SA1832F-Y/GR(TPL3) | |
| Q923 | 8-729-037-53 | TRANSISTOR 2SA1832F-Y/GR(TPL3) | |
| Q924 | 8-729-037-53 | TRANSISTOR 2SA1832F-Y/GR(TPL3) | |
| Q925 | 8-729-037-53 | TRANSISTOR 2SA1832F-Y/GR(TPL3) | |
| Q926 | 8-729-037-53 | TRANSISTOR 2SA1832F-Y/GR(TPL3) | |
| Q927 | 8-729-037-53 | TRANSISTOR 2SA1832F-Y/GR(TPL3) | |
| Q928 | 8-729-037-52 | TRANSISTOR 2SC4738F-Y/GR(TPL3) | |
| Q929 | 8-729-037-52 | TRANSISTOR 2SC4738F-Y/GR(TPL3) | |
| Q930 | 8-729-037-52 | TRANSISTOR 2SC4738F-Y/GR(TPL3) | |
| | | < RESISTOR > | |
| R101 | 1-216-857-11 | METAL CHIP 1M 5% 1/16W | |
| R102 | 1-216-845-11 | METAL CHIP 100K 5% 1/16W | |
| R111 | 1-216-841-11 | METAL CHIP 47K 5% 1/16W | |
| R112 | 1-216-833-91 | RES,CHIP 10K 5% 1/16W | |
| R115 | 1-216-798-11 | RES,CHIP 12 5% 1/16W | |
| R116 | 1-216-798-11 | RES,CHIP 12 5% 1/16W | |
| R119 | 1-216-841-11 | METAL CHIP 47K 5% 1/16W | |
| R121 | 1-216-808-11 | METAL CHIP 82 5% 1/16W | |
| R401 | 1-216-841-11 | METAL CHIP 47K 5% 1/16W | |
| R402 | 1-216-797-11 | METAL CHIP 10 5% 1/16W | |
| R403 | 1-216-829-11 | METAL CHIP 4.7K 5% 1/16W | |
| R404 | 1-216-843-11 | METAL CHIP 68K 5% 1/16W | |
| R405 | 1-216-843-11 | METAL CHIP 68K 5% 1/16W | |
| R406 | 1-216-821-11 | METAL CHIP 1K 5% 1/16W | |
| R407 | 1-216-825-11 | METAL CHIP 2.2K 5% 1/16W | |
| R408 | 1-216-845-11 | METAL CHIP 100K 5% 1/16W | |
| R409 | 1-216-833-91 | RES,CHIP 10K 5% 1/16W | |
| R410 | 1-216-845-11 | METAL CHIP 100K 5% 1/16W | |
| R411 | 1-216-837-11 | METAL CHIP 22K 5% 1/16W | |
| R412 | 1-216-815-11 | METAL CHIP 330 5% 1/16W | |
| R413 | 1-216-837-11 | METAL CHIP 22K 5% 1/16W | |
| R414 | 1-216-845-11 | METAL CHIP 100K 5% 1/16W | |
| R415 | 1-216-821-11 | METAL CHIP 1K 5% 1/16W | |
| R416 | 1-216-837-11 | METAL CHIP 22K 5% 1/16W | |
| R417 | 1-216-848-11 | METAL CHIP 180K 5% 1/16W | |

| Ref. No. | Part No. | Description | | | Remark |
|---|---|---|---|---|---|
| R418 | 1-216-833-91 | RES,CHIP | 10K | 5% | 1/16W |
| R419 | 1-216-836-11 | METAL CHIP | 18K | 5% | 1/16W |
| R420 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/16W |
| R422 | 1-216-848-11 | METAL CHIP | 180K | 5% | 1/16W |
| R423 | 1-216-827-11 | METAL CHIP | 3.3K | 5% | 1/16W |
| R424 | 1-216-851-11 | METAL CHIP | 330K | 5% | 1/16W |
| R427 | 1-216-864-11 | METAL CHIP | 0 | 5% | 1/16W |
| R428 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/16W |
| R429 | 1-218-876-11 | RES,CHIP | 16K | 0.50% | 1/16W |
| R601 | 1-216-835-11 | METAL CHIP | 15K | 5% | 1/16W |
| R605 | 1-216-835-11 | METAL CHIP | 15K | 5% | 1/16W |
| R606 | 1-216-835-11 | METAL CHIP | 15K | 5% | 1/16W |
| R610 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/16W |
| R611 | 1-216-840-11 | METAL CHIP | 39K | 5% | 1/16W |
| R612 | 1-216-834-11 | METAL CHIP | 12K | 5% | 1/16W |
| R613 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/16W |
| R615 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/16W |
| R616 | 1-216-840-11 | METAL CHIP | 39K | 5% | 1/16W |
| R617 | 1-216-834-11 | METAL CHIP | 12K | 5% | 1/16W |
| R618 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/16W |
| R620 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/16W |
| R621 | 1-216-840-11 | METAL CHIP | 39K | 5% | 1/16W |
| R622 | 1-216-834-11 | METAL CHIP | 12K | 5% | 1/16W |
| R623 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/16W |
| R701 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/16W |
| R702 | 1-216-813-11 | METAL CHIP | 220 | 5% | 1/16W |
| R703 | 1-216-833-91 | RES,CHIP | 10K | 5% | 1/16W |
| R704 | 1-216-853-11 | METAL CHIP | 470K | 5% | 1/16W |
| R706 | 1-216-853-11 | METAL CHIP | 470K | 5% | 1/16W |
| R707 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/16W |
| R708 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/16W |
| R709 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/16W |
| R710 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/16W |
| R711 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/16W |
| R712 | 1-216-853-11 | METAL CHIP | 470K | 5% | 1/16W |
| R713 | 1-216-853-11 | METAL CHIP | 470K | 5% | 1/16W |
| R714 | 1-216-853-11 | METAL CHIP | 470K | 5% | 1/16W |
| R715 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/16W |
| R717 | 1-216-833-91 | RES,CHIP | 10K | 5% | 1/16W |
| R718 | 1-216-853-11 | METAL CHIP | 470K | 5% | 1/16W |
| R721 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/16W |
| R722 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/16W |
| R723 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/16W |
| R724 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/16W |
| R725 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/16W |
| R726 | 1-216-853-11 | METAL CHIP | 470K | 5% | 1/16W |
| R727 | 1-216-833-91 | RES,CHIP | 10K | 5% | 1/16W |
| R728 | 1-216-833-91 | RES,CHIP | 10K | 5% | 1/16W |
| R729 | 1-216-833-91 | RES,CHIP | 10K | 5% | 1/16W |
| R730 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/16W |
| R736 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/16W |
| R737 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/16W |
| R738 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/16W |
| R739 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/16W |
| R740 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/16W |
| R741 | 1-216-853-11 | METAL CHIP | 470K | 5% | 1/16W |
| R742 | 1-219-570-11 | RES,CHIP | 10M | 5% | 1/16W |

| Ref. No. | Part No. | Description | | | Remark |
|---|---|---|---|---|---|
| R743 | 1-216-853-11 | METAL CHIP | 470K | 5% | 1/16W |
| R744 | 1-216-864-11 | METAL CHIP | 0 | 5% | 1/16W |
| R745 | 1-216-849-11 | METAL CHIP | 220K | 5% | 1/16W |
| R746 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/16W |
| R747 | 1-216-817-11 | METAL CHIP | 470 | 5% | 1/16W |
| R749 | 1-216-853-11 | METAL CHIP | 470K | 5% | 1/16W |
| R751 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/16W |
| R752 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/16W |
| R753 | 1-216-833-91 | RES,CHIP | 10K | 5% | 1/16W |
| R759 | 1-216-857-11 | METAL CHIP | 1M | 5% | 1/16W |
| R761 | 1-216-833-91 | RES,CHIP | 10K | 5% | 1/16W |
| R762 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/16W |
| R763 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/16W |
| R764 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/16W |
| R769 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/16W |
| R775 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/16W |
| R776 | 1-216-857-11 | METAL CHIP | 1M | 5% | 1/16W |
| R777 | 1-216-853-11 | METAL CHIP | 470K | 5% | 1/16W |
| R778 | 1-216-819-11 | METAL CHIP | 680 | 5% | 1/16W |
| R779 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/16W |
| R780 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/16W |
| R806 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/16W |
| R807 | 1-216-827-11 | METAL CHIP | 3.3K | 5% | 1/16W |
| R808 | 1-216-825-11 | METAL CHIP | 2.2K | 5% | 1/16W |
| R809 | 1-218-878-11 | RES,CHIP | 20K | 0.50% | 1/16W |
| R810 | 1-218-854-11 | RES,CHIP | 2K | 0.50% | 1/16W |
| R811 | 1-216-833-91 | RES,CHIP | 10K | 5% | 1/16W |
| R812 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/16W |
| R813 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/16W |
| R814 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/16W |
| R815 | 1-216-833-91 | RES,CHIP | 10K | 5% | 1/16W |
| R816 | 1-216-833-91 | RES,CHIP | 10K | 5% | 1/16W |
| R817 | 1-216-833-91 | RES,CHIP | 10K | 5% | 1/16W |
| R818 | 1-216-833-91 | RES,CHIP | 10K | 5% | 1/16W |
| R819 | 1-216-833-91 | RES,CHIP | 10K | 5% | 1/16W |
| R820 | 1-216-833-91 | RES,CHIP | 10K | 5% | 1/16W |
| R821 | 1-216-833-91 | RES,CHIP | 10K | 5% | 1/16W |
| R822 | 1-216-833-91 | RES,CHIP | 10K | 5% | 1/16W |
| R823 | 1-216-833-91 | RES,CHIP | 10K | 5% | 1/16W |
| R825 | 1-216-833-91 | RES,CHIP | 10K | 5% | 1/16W |
| R826 | 1-216-853-11 | METAL CHIP | 470K | 5% | 1/16W |
| R827 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/16W |
| R828 | 1-216-833-91 | RES,CHIP | 10K | 5% | 1/16W |
| R829 | 1-216-833-91 | RES,CHIP | 10K | 5% | 1/16W |
| R830 | 1-216-833-91 | RES,CHIP | 10K | 5% | 1/16W |
| R831 | 1-216-833-91 | RES,CHIP | 10K | 5% | 1/16W |
| R832 | 1-216-835-11 | METAL CHIP | 15K | 5% | 1/16W |
| R860 | 1-216-833-91 | RES,CHIP | 10K | 5% | 1/16W |
| R862 | 1-216-833-91 | RES,CHIP | 10K | 5% | 1/16W |
| R864 | 1-216-833-91 | RES,CHIP | 10K | 5% | 1/16W |
| R866 | 1-216-833-91 | RES,CHIP | 10K | 5% | 1/16W |
| R868 | 1-216-833-91 | RES,CHIP | 10K | 5% | 1/16W |
| R869 | 1-216-857-11 | METAL CHIP | 1M | 5% | 1/16W |
| R870 | 1-216-857-11 | METAL CHIP | 1M | 5% | 1/16W |
| R871 | 1-216-833-91 | RES,CHIP | 10K | 5% | 1/16W |
| R872 | 1-216-833-91 | RES,CHIP | 10K | 5% | 1/16W |
| R873 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/16W |

**FC-69** **FU-134** **PK-46(C)**

☞ : Added board.

| Ref. No. | Part No. | Description | | | Remark |
|---|---|---|---|---|---|
| R874 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/16W |
| R875 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/16W |
| R876 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/16W |
| R877 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/16W |
| R878 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/16W |
| R879 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/16W |
| R880 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/16W |
| R904 | 1-216-864-11 | METAL CHIP | 0 | 5% | 1/16W |
| R909 | 1-218-871-11 | RES,CHIP | 10K | 0.50% | 1/16W |
| R910 | 1-216-850-11 | METAL CHIP | 270K | 5% | 1/16W |
| R912 | 1-216-864-11 | METAL CHIP | 0 | 5% | 1/16W |
| R913 | 1-216-864-11 | METAL CHIP | 0 | 5% | 1/16W |
| R914 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/16W |
| R915 | 1-218-879-11 | RES,CHIP | 22K | 0.50% | 1/16W |
| R916 | 1-218-852-11 | RES,CHIP | 1.6K | 0.50% | 1/16W |
| R917 | 1-218-863-11 | RES,CHIP | 4.7K | 0.50% | 1/16W |
| R918 | 1-216-840-11 | METAL CHIP | 39K | 5% | 1/16W |
| R919 | 1-216-838-11 | METAL CHIP | 27K | 5% | 1/16W |
| R920 | 1-216-825-11 | METAL CHIP | 2.2K | 5% | 1/16W |
| R921 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/16W |
| R922 | 1-216-864-11 | METAL CHIP | 0 | 5% | 1/16W |
| R924 | 1-218-871-11 | RES,CHIP | 10K | 0.50% | 1/16W |
| R925 | 1-218-837-11 | RES,CHIP | 390 | 0.50% | 1/16W |
| R926 | 1-218-871-11 | RES,CHIP | 10K | 0.50% | 1/16W |
| R927 | 1-216-847-11 | METAL CHIP | 150K | 5% | 1/16W |
| R928 | 1-216-833-91 | RES,CHIP | 10K | 5% | 1/16W |
| R929 | 1-216-864-11 | METAL CHIP | 0 | 5% | 1/16W |
| R930 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/16W |
| R931 | 1-218-871-11 | RES,CHIP | 10K | 0.50% | 1/16W |
| R932 | 1-216-864-11 | METAL CHIP | 0 | 5% | 1/16W |
| R933 | 1-218-871-11 | RES,CHIP | 10K | 0.50% | 1/16W |
| R934 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/16W |
| R935 | 1-216-843-11 | METAL CHIP | 68K | 5% | 1/16W |
| R936 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/16W |
| R937 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/16W |
| R938 | 1-216-864-11 | METAL CHIP | 0 | 5% | 1/16W |
| R940 | 1-216-864-11 | METAL CHIP | 0 | 5% | 1/16W |
| R941 | 1-218-875-11 | RES,CHIP | 15K | 0.50% | 1/16W |
| R942 | 1-218-863-11 | RES,CHIP | 4.7K | 0.50% | 1/16W |
| R943 | 1-216-833-91 | RES,CHIP | 10K | 5% | 1/16W |
| R946 | 1-216-813-11 | METAL CHIP | 220 | 5% | 1/16W |
| R947 | 1-216-819-11 | METAL CHIP | 680 | 5% | 1/16W |
| R948 | 1-216-817-11 | METAL CHIP | 470 | 5% | 1/16W |
| R949 | 1-216-817-11 | METAL CHIP | 470 | 5% | 1/16W |
| R951 | 1-216-864-11 | METAL CHIP | 0 | 5% | 1/16W |
| R952 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/16W |
| R953 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/16W |
| R954 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/16W |
| R956 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/16W |
| R957 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/16W |
| R958 | 1-216-837-11 | METAL CHIP | 22K | 5% | 1/16W |
| R960 | 1-218-883-11 | RES,CHIP | 33K | 0.50% | 1/16W |
| R961 | 1-218-877-11 | RES,CHIP | 18K | 0.50% | 1/16W |
| R962 | 1-218-895-11 | RES,CHIP | 100K | 0.50% | 1/16W |
| R963 | 1-218-893-11 | RES,CHIP | 82K | 0.50% | 1/16W |
| R964 | 1-218-883-11 | RES,CHIP | 33K | 0.50% | 1/16W |
| R965 | 1-216-835-11 | METAL CHIP | 15K | 5% | 1/16W |
| R966 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/16W |
| R967 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/16W |
| R968 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/16W |
| R969 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/16W |
| R970 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/16W |
| R971 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/16W |
| R972 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/16W |
| R973 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/16W |
| R974 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/16W |
| R975 | 1-216-833-91 | RES,CHIP | 10K | 5% | 1/16W |
| R976 | 1-218-877-11 | RES,CHIP | 18K | 0.50% | 1/16W |
| R977 | 1-218-852-11 | RES,CHIP | 1.6K | 5% | 1/16W |
| R978 | 1-218-897-11 | RES,CHIP | 120K | 0.50% | 1/16W |
| R979 | 1-218-882-11 | RES,CHIP | 30K | 0.50% | 1/16W |
| R980 | 1-218-871-11 | RES,CHIP | 10K | 0.50% | 1/16W |
| R981 | 1-218-889-11 | RES,CHIP | 56K | 0.50% | 1/16W |
| R986 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/16W |
| | | < SENSOR > | | | |
| SE801 | 1-801-868-41 | SENSOR, SHOCK | | | |
| | | < TRANSFORMER > | | | |
| ⚠T901 | 1-429-565-21 | TRANSFORMER, CONVERTER | | | |
| | | < VIBRATOR > | | | |
| X101 | 1-767-923-11 | VIBRATOR, CRYSTAL (36MHz) | | | |
| X701 | 1-767-450-11 | VIBRATOR, CERAMIC (20MHz) | | | |
| X702 | 1-760-458-21 | VIBRATOR, CRYSTAL (32.768kHz) | | | |
| X802 | 1-767-921-11 | VIBRATOR, CERAMIC (15MHz) | | | |
| X803 | 1-767-922-11 | VIBRATOR, CERAMIC (16MHz) | | | |
| ********** | | | | | |
| | A-7073-965-A | FU-134 BOARD, COMPLETE | | | |
| | | ********** | | | |
| | | (Ref. No. 1,000 Series) | | | |
| | | < CONNECTOR > | | | |
| * CN501 | 1-580-057-11 | PIN, CONNECTOR (SMD) 4P | | | |
| CN502 | 1-770-625-21 | PIN, CONNECTOR 8P | | | |
| | | < FUSE > | | | |
| ⚠F501 | 1-576-286- | FUSE, MICRO (1.4A) | | | |
| ⚠F502 | 1-576-286- | FUSE, MICRO (1.4A) | | | |
| ⚠F503 | 1-576-286- | FUSE, MICRO (1.4A) | | | |
| ⚠F504 | 1-576-286- | FUSE, MICRO (1.4A) | | | |
| ********** | | | | | |
| | A-709-435-1A | PK-46(C) BOARD, COMPLETE (SERVICE) | | | |
| | | ********** | | | |
| | | (Ref. No. 2,000 Series) | | | |
| | | < BATTERY HOLDER > | | | |
| BH701 | 1-550-104-32 | HOLDER, BATTERY | | | |

| | |
|---|---|
| The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.<br>Replace only with part number specified. | Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.<br>Ne les remplacer que par une piéce portant le numéro spécifié. |

| Ref. No. | Part No. | Description | | | Remark |
|---|---|---|---|---|---|
| | | < BUZZER > | | | |
| BZ701 | 1-529-107-11 | BUZZER, PIEZOELECTRIC | | | |
| | | < CAPACITOR > | | | |
| C601 | 1-109-982-11 | CERAMIC CHIP | 1uF | 10% | 10V |
| C602 | 1-107-826-91 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C603 | 1-107-826-91 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C604 | 1-107-826-91 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C606 | 1-113-642-11 | TANTAL. CHIP | 47uF | 20% | 10V |
| C702 | 1-107-682-11 | CERAMIC CHIP | 1uF | 10% | 16V |
| C703 | 1-165-320-11 | CERAMIC CHIP | 0.47uF | 10% | 16V |
| C704 | 1-109-982-11 | CERAMIC CHIP | 1uF | 10% | 10V |
| C705 | 1-109-982-11 | CERAMIC CHIP | 1uF | 10% | 10V |
| C801 | 1-107-826-91 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C802 | 1-107-826-91 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C803 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C804 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C805 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C806 | 1-164-004-11 | CERAMIC CHIP | 0.1uF | 10% | 25V |
| C807 | 1-110-569-11 | TANTAL. CHIP | 47uF | 20% | 6.3V |
| C808 | 1-107-826-91 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C811 | 1-107-826-91 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C812 | 1-164-004-11 | CERAMIC CHIP | 0.1uF | 10% | 25V |
| C813 | 1-164-004-11 | CERAMIC CHIP | 0.1uF | 10% | 25V |
| C814 | 1-164-004-11 | CERAMIC CHIP | 0.1uF | 10% | 25V |
| C851 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C853 | 1-163-081-00 | CERAMIC CHIP | 0.22uF | | 25V |
| C854 | 1-135-149-21 | TANTALUM CHIP | 2.2uF | 20% | 10V |
| C855 | 1-164-505-11 | CERAMIC CHIP | 2.2uF | | 16V |
| C856 | 1-162-918-11 | CERAMIC CHIP | 18PF | 5% | 50V |
| C857 | 1-164-227-11 | CERAMIC CHIP | 0.022uF | 10% | 25V |
| C858 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C859 | 1-162-920-11 | CERAMIC CHIP | 27PF | 5% | 50V |
| C861 | 1-104-911-11 | TANTAL. CHIP | 33uF | 20% | 10V |
| C862 | 1-164-346-11 | CERAMIC CHIP | 1uF | | 16V |
| C863 | 1-164-661-11 | CERAMIC CHIP | 0.018uF | 10% | 50V |
| C865 | 1-107-725-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| ⚠C866 | 1-113-521-91 | CERAMIC CHIP | 12PF | 10% | 3KV |
| C867 | 1-107-826-91 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C901 | 1-135-259-11 | TANTAL. CHIP | 10uF | 20% | 6.3V |
| C902 | 1-107-687-11 | TANTAL. CHIP | 3.3uF | 20% | 20V |
| C903 | 1-107-826-91 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C904 | 1-107-826-91 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C905 | 1-110-501-11 | CERAMIC CHIP | 0.33uF | 10% | 16V |
| C906 | 1-164-004-11 | CERAMIC CHIP | 0.1uF | 10% | 25V |
| C907 | 1-162-964-11 | CERAMIC CHIP | 0.001uF | 10% | 50V |
| C908 | 1-162-926-11 | CERAMIC CHIP | 82PF | 5% | 50V |
| C909 | 1-164-004-11 | CERAMIC CHIP | 0.1uF | 10% | 25V |
| C911 | 1-164-739-11 | CERAMIC CHIP | 560PF | 5% | 50V |
| C913 | 1-162-926-11 | CERAMIC CHIP | 82PF | 5% | 50V |
| C915 | 1-107-682-11 | CERAMIC CHIP | 1uF | 10% | 16V |
| C918 | 1-107-826-91 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C919 | 1-107-689-21 | TANTAL. CHIP | 1uF | 20% | 35V |
| C920 | 1-107-682-11 | CERAMIC CHIP | 1uF | 10% | 16V |
| C921 | 1-107-826-91 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C926 | 1-107-826-91 | CERAMIC CHIP | 0.1uF | 10% | 16V |

| Ref. No. | Part No. | Description | | Remark |
|---|---|---|---|---|
| | | < CONNECTOR > | | |
| CN601 | 1-764-526-11 | CONNECTOR, FFC/FPC 18P | | |
| * CN602 | 1-750-075-11 | CONNECTOR, FFC/FPC 10P | | |
| CN603 | 1-778-598-21 | CONNECTOR, BOARD TO BOARD 60P | | |
| CN802 | 1-764-526-11 | CONNECTOR, FFC/FPC 18P | | |
| CN851 | 1-573-929-11 | CONNECTOR, FFC/FPC (ZIF) 20P | | |
| CN901 | 1-691-388-11 | CONNECTOR, FFC/FPC (ZIF) 24P | | |
| | | < DIODE > | | |
| D701 | 8-719-061-82 | DIODE TLSU1002(TPX1,SONY)(ACCESS) | | |
| D702 | 8-719-061-81 | DIODE TLYU1002(TPX1,SONY) (FLASH CHARGE) | | |
| D852 | 8-719-073-01 | DIODE MA111-(K8).S0 | | |
| D853 | 8-719-073-01 | DIODE MA111-(K8).S0 | | |
| D854 | 8-719-073-01 | DIODE MA111-(K8).S0 | | |
| D903 | 8-713-102-80 | DIODE 1T369-01-T8A | | |
| D904 | 8-719-976-96 | DIODE MA8047-H-TX | | |
| | | < IC > | | |
| IC601 | 8-759-535-05 | IC BH9530KS2 | | |
| IC801 | 8-759-530-19 | IC MB40D001PFV-G-BND-ER | | |
| IC802 | 8-759-539-27 | IC IR3Y37A4 | | |
| IC851 | 8-759-521-35 | IC TL5001CDR | | |
| IC852 | 8-759-075-70 | IC TA75S393F-TE85R | | |
| IC901 | 8-759-530-20 | IC CM7017L3-T4 | | |
| IC902 | 8-759-327-01 | IC NJM062V(TE2) | | |
| IC903 | 8-759-523-03 | IC TC74HC4066AFT(EL) | | |
| | | < COIL > | | |
| L601 | 1-414-394-11 | INDUCTOR | 2.2uH | |
| L701 | 1-216-296-91 | SHORT | 0 | |
| L801 | 1-414-402-11 | INDUCTOR | 47uH | |
| L802 | 1-414-078-11 | INDUCTOR | 10uH | |
| L851 | 1-414-396-21 | INDUCTOR | 4.7uH | |
| L852 | 1-424-674-11 | INDUCTOR | 22uH | |
| L853 | 1-409-536-41 | INDUCTOR | 150uH | |
| L901 | 1-414-754-11 | INDUCTOR | 10uH | |
| L902 | 1-414-754-11 | INDUCTOR | 10uH | |
| L903 | 1-412-951-11 | INDUCTOR | 10uH | |
| L904 | 1-414-754-11 | INDUCTOR | 10uH | |
| L905 | 1-412-953-11 | INDUCTOR | 15uH | |
| | | < TRANSISTOR > | | |
| Q701 | 8-729-037-52 | TRANSISTOR | 2SC4738F-Y/GR(TPL3) | |
| Q702 | 8-729-037-52 | TRANSISTOR | 2SC4738F-Y/GR(TPL3) | |
| Q851 | 8-729-042-72 | TRANSISTOR | UN9214J-(K8).SO | |
| Q852 | 8-729-042-59 | TRANSISTOR | UN9112J-(K8).SO | |
| Q853 | 8-729-042-29 | TRANSISTOR | RN1104F(TPL3) | |
| Q854 | 8-729-037-52 | TRANSISTOR | 2SC4738F-Y/GR(TPL3) | |
| Q855 | 8-729-042-29 | TRANSISTOR | RN1104F(TPL3) | |
| Q856 | 8-729-823-84 | TRANSISTOR | FP102-TL | |
| Q857 | 8-729-037-52 | TRANSISTOR | 2SC4738F-Y/GR(TPL3) | |
| Q858 | 8-729-037-52 | TRANSISTOR | 2SC4738F-Y/GR(TPL3) | |
| Q859 | 8-729-042-29 | TRANSISTOR | RN1104F(TPL3) | |

| | |
|---|---|
| The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.<br>Replace only with part number specified. | Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.<br>Ne les remplacer que par une piéce portant le numéro spécifié. |

| Ref. No. | Part No. | Description | | | Remark |
|---|---|---|---|---|---|
| Q860 | 8-729-039-43 | TRANSISTOR | FP216-TL | | |
| Q862 | 8-729-042-59 | TRANSISTOR | UN9112J-(K8).SO | | |
| Q903 | 8-729-230-63 | TRANSISTOR | 2SD1819A-QRS-TX | | |
| Q904 | 8-729-420-24 | TRANSISTOR | 2SB1218A-QRS-TX | | |
| Q905 | 8-729-230-63 | TRANSISTOR | 2SD1819A-QRS-TX | | |
| Q906 | 8-729-420-24 | TRANSISTOR | 2SB1218A-QRS-TX | | |
| | | < RESISTOR > | | | |
| R601 | 1-216-033-00 | METAL CHIP | 220 | 5% | 1/10W |
| R602 | 1-216-825-11 | METAL CHIP | 2.2K | 5% | 1/16W |
| R603 | 1-216-825-11 | METAL CHIP | 2.2K | 5% | 1/16W |
| R604 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/16W |
| R605 | 1-216-298-00 | METAL CHIP | 2.2 | 5% | 1/10W |
| R606 | 1-218-707-11 | RES,CHIP | 4.3K | 5% | 1/16W |
| R607 | 1-218-707-11 | RES,CHIP | 4.3K | 5% | 1/16W |
| R608 | 1-216-864-11 | METAL CHIP | 0 | 5% | 1/16W |
| R610 | 1-216-864-11 | METAL CHIP | 0 | 5% | 1/16W |
| R612 | 1-218-851-11 | RES,CHIP | 1.5K | 0.50% | 1/16W |
| R613 | 1-218-869-11 | RES,CHIP | 8.2K | 0.50% | 1/16W |
| R614 | 1-218-863-11 | RES,CHIP | 4.7K | 0.50% | 1/16W |
| R615 | 1-218-859-11 | RES,CHIP | 3.3K | 0.50% | 1/16W |
| R618 | 1-218-887-11 | RES,CHIP | 47K | 0.50% | 1/16W |
| R619 | 1-218-849-11 | RES,CHIP | 1.2K | 0.50% | 1/16W |
| R620 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/16W |
| R621 | 1-218-847-11 | RES,CHIP | 1K | 0.50% | 1/16W |
| R622 | 1-218-875-11 | RES,CHIP | 15K | 0.50% | 1/16W |
| R623 | 1-218-292-11 | RES,CHIP | 20K | 5% | 1/16W |
| R624 | 1-216-817-11 | METAL CHIP | 470 | 5% | 1/16W |
| R625 | 1-216-833-91 | RES,CHIP | 10K | 5% | 1/16W |
| R626 | 1-216-835-11 | METAL CHIP | 15K | 5% | 1/16W |
| R627 | 1-216-833-91 | RES,CHIP | 10K | 5% | 1/16W |
| R628 | 1-216-835-11 | METAL CHIP | 15K | 5% | 1/16W |
| R629 | 1-216-835-11 | METAL CHIP | 15K | 5% | 1/16W |
| R630 | 1-216-833-91 | RES,CHIP | 10K | 5% | 1/16W |
| R631 | 1-216-857-11 | METAL CHIP | 1M | 5% | 1/16W |
| R632 | 1-216-833-91 | RES,CHIP | 10K | 5% | 1/16W |
| R701 | 1-216-824-11 | METAL CHIP | 1.8K | 5% | 1/16W |
| R702 | 1-216-819-11 | METAL CHIP | 680 | 5% | 1/16W |
| R703 | 1-216-819-11 | METAL CHIP | 680 | 5% | 1/16W |
| R705 | 1-216-824-11 | METAL CHIP | 1.8K | 5% | 1/16W |
| R706 | 1-216-826-11 | METAL CHIP | 2.7K | 5% | 1/16W |
| R707 | 1-216-826-11 | METAL CHIP | 2.7K | 5% | 1/16W |
| R708 | 1-216-824-11 | METAL CHIP | 1.8K | 5% | 1/16W |
| R709 | 1-216-851-11 | METAL CHIP | 330K | 5% | 1/16W |
| R710 | 1-216-847-11 | METAL CHIP | 150K | 5% | 1/16W |
| R711 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/16W |
| R712 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/16W |
| R713 | 1-216-823-11 | METAL CHIP | 1.5K | 5% | 1/16W |
| R714 | 1-216-815-11 | METAL CHIP | 330 | 5% | 1/16W |
| R715 | 1-216-826-11 | METAL CHIP | 2.7K | 5% | 1/16W |
| R716 | 1-216-826-11 | METAL CHIP | 2.7K | 5% | 1/16W |
| R717 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/16W |
| R801 | 1-216-864-11 | METAL CHIP | 0 | 5% | 1/16W |
| R804 | 1-216-837-11 | METAL CHIP | 22K | 5% | 1/16W |
| R805 | 1-216-834-11 | METAL CHIP | 12K | 5% | 1/16W |
| R806 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/16W |
| R812 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/16W |
| R813 | 1-216-805-11 | METAL CHIP | 47 | 5% | 1/16W |

| Ref. No. | Part No. | Description | | | Remark |
|---|---|---|---|---|---|
| R814 | 1-216-805-11 | METAL CHIP | 47 | 5% | 1/16W |
| R815 | 1-216-805-11 | METAL CHIP | 47 | 5% | 1/16W |
| R816 | 1-216-864-11 | METAL CHIP | 0 | 5% | 1/16W |
| R822 | 1-216-843-11 | METAL CHIP | 68K | 5% | 1/16W |
| R823 | 1-216-834-11 | METAL CHIP | 12K | 5% | 1/16W |
| R826 | 1-216-864-11 | METAL CHIP | 0 | 5% | 1/16W |
| R827 | 1-216-835-11 | METAL CHIP | 15K | 5% | 1/16W |
| R828 | 1-216-839-11 | METAL CHIP | 33K | 5% | 1/16W |
| R852 | 1-218-867-11 | RES,CHIP | 6.8K | 0.50% | 1/16W |
| R853 | 1-218-881-11 | RES,CHIP | 27K | 0.50% | 1/16W |
| R854 | 1-218-897-11 | RES,CHIP | 120K | 0.50% | 1/16W |
| R855 | 1-216-818-11 | METAL CHIP | 560 | 5% | 1/16W |
| R856 | 1-216-837-11 | METAL CHIP | 22K | 5% | 1/16W |
| R857 | 1-216-818-11 | METAL CHIP | 560 | 5% | 1/16W |
| R858 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/16W |
| R859 | 1-218-871-11 | RES,CHIP | 10K | 0.50% | 1/16W |
| R860 | 1-218-854-11 | RES,CHIP | 2K | 0.50% | 1/16W |
| R861 | 1-218-859-11 | RES,CHIP | 3.3K | 0.50% | 1/16W |
| R862 | 1-216-823-11 | METAL CHIP | 1.5K | 5% | 1/16W |
| R863 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/16W |
| R864 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/16W |
| R865 | 1-216-823-11 | METAL CHIP | 1.5K | 5% | 1/16W |
| R867 | 1-216-055-00 | METAL CHIP | 1.8K | 5% | 1/10W |
| R868 | 1-216-055-00 | METAL CHIP | 1.8K | 5% | 1/10W |
| R870 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/16W |
| R871 | 1-216-831-11 | METAL CHIP | 6.8K | 5% | 1/16W |
| R872 | 1-216-837-11 | METAL CHIP | 22K | 5% | 1/16W |
| R873 | 1-216-817-11 | METAL CHIP | 470 | 5% | 1/16W |
| R874 | 1-216-810-11 | METAL CHIP | 120 | 5% | 1/16W |
| R901 | 1-216-864-11 | METAL CHIP | 0 | 5% | 1/16W |
| R902 | 1-216-864-11 | METAL CHIP | 0 | 5% | 1/16W |
| R905 | 1-216-855-11 | METAL CHIP | 680K | 5% | 1/16W |
| R906 | 1-216-864-11 | METAL CHIP | 0 | 5% | 1/16W |
| R908 | 1-216-846-11 | METAL CHIP | 120K | 5% | 1/16W |
| R912 | 1-216-842-11 | METAL CHIP | 56K | 5% | 1/16W |
| R913 | 1-216-833-91 | RES,CHIP | 10K | 5% | 1/16W |
| R915 | 1-216-857-11 | METAL CHIP | 1M | 5% | 1/16W |
| R916 | 1-216-837-11 | METAL CHIP | 22K | 5% | 1/16W |
| R918 | 1-216-843-11 | METAL CHIP | 68K | 5% | 1/16W |
| R920 | 1-218-897-11 | RES,CHIP | 120K | 0.50% | 1/16W |
| R921 | 1-216-843-11 | METAL CHIP | 68K | 5% | 1/16W |
| R922 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/16W |
| R924 | 1-218-897-11 | RES,CHIP | 120K | 0.50% | 1/16W |
| R926 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/16W |
| R929 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/16W |
| R930 | 1-216-839-11 | METAL CHIP | 33K | 5% | 1/16W |
| R932 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/16W |
| R933 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/16W |
| R934 | 1-216-864-11 | METAL CHIP | 0 | 5% | 1/16W |
| R935 | 1-216-864-11 | METAL CHIP | 0 | 5% | 1/16W |
| R936 | 1-216-864-11 | METAL CHIP | 0 | 5% | 1/16W |
| R937 | 1-216-864-11 | METAL CHIP | 0 | 5% | 1/16W |
| R938 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/16W |
| R939 | 1-216-839-11 | METAL CHIP | 33K | 5% | 1/16W |
| R940 | 1-216-864-11 | METAL CHIP | 0 | 5% | 1/16W |
| R942 | 1-216-864-11 | METAL CHIP | 0 | 5% | 1/16W |
| R950 | 1-216-864-11 | METAL CHIP | 0 | 5% | 1/16W |

| Ref. No. | Part No. | Description | | | Remark |
|---|---|---|---|---|---|
| R951 | 1-216-864-11 | METAL CHIP | 0 | 5% | 1/16W |
| R952 | 1-216-864-11 | METAL CHIP | 0 | 5% | 1/16W |
| R953 | 1-216-864-11 | METAL CHIP | 0 | 5% | 1/16W |
| R954 | 1-216-864-11 | METAL CHIP | 0 | 5% | 1/16W |
| R955 | 1-216-864-11 | METAL CHIP | 0 | 5% | 1/16W |
| R957 | 1-216-864-11 | METAL CHIP | 0 | 5% | 1/16W |
| R959 | 1-216-864-11 | METAL CHIP | 0 | 5% | 1/16W |
| R962 | 1-216-836-11 | METAL CHIP | 18K | 5% | 1/16W |
| R963 | 1-216-864-11 | METAL CHIP | 0 | 5% | 1/16W |
| R966 | 1-216-864-11 | METAL CHIP | 0 | 5% | 1/16W |
| R970 | 1-216-805-11 | METAL CHIP | 47 | 5% | 1/16W |
| R971 | 1-216-805-11 | METAL CHIP | 47 | 5% | 1/16W |
| R972 | 1-216-805-11 | METAL CHIP | 47 | 5% | 1/16W |
| R974 | 1-216-864-11 | METAL CHIP | 0 | 5% | 1/16W |
| R975 | 1-216-864-11 | METAL CHIP | 0 | 5% | 1/16W |
| R978 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/16W |
| R979 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/16W |
| R980 | 1-216-864-11 | METAL CHIP | 0 | 5% | 1/16W |
| R981 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/16W |
| | | < VARIABLE RESISTOR > | | | |
| RV701 | 1-225-224-11 | RES, VAR 10K (ZOOM) | | | |
| | | < SWITCH > | | | |
| S701 | 1-771-128-11 | SWITCH, TACTILE (CONTROL) | | | |
| S702 | 1-572-467-21 | SWITCH, PUSH (1 KEY)(POWER) | | | |
| S703 | 1-771-106-11 | SWITCH, TACTILE (PICTURE EFFECT) | | | |
| S704 | 1-771-106-11 | SWITCH, TACTILE (DISPLAY) | | | |
| S705 | 1-771-106-11 | SWITCH, TACTILE (FLASH) | | | |
| S706 | 1-771-106-11 | SWITCH, TACTILE (BRIGHT +) | | | |
| S707 | 1-771-106-11 | SWITCH, TACTILE (PROGRAM AE) | | | |
| S708 | 1-762-741-11 | SWITCH, SLIDE (PLAY/CAMERA) | | | |
| S709 | 1-771-106-11 | SWITCH, TACTILE (BRIGHT -) | | | |
| | | < TRANSFORMER > | | | |
| T851 | 1-431-861-21 | TRANSFORMER, INVERTER (US,CND,AEP,HK) | | | |
| ********** | | | | | |
| | A-7073-966-A | RL-53 BOARD, COMPLETE | | | |
| | | ********** | | | |
| | | (Ref. No. 1,000 Series) | | | |
| | | < CONNECTOR > | | | |
| CN051 | 1-770-620-21 | PIN, CONNECTOR 3P (US,CND,AEP,HK) | | | |
| | | < SWITCH > | | | |
| S051 | 1-771-184-11 | SWITCH, TACTILE (US,CND,AEP,HK) | | | |
| ********** | | | | | |

| MVC-FD71 | | | | MVC-FD73 | | | |
|---|---|---|---|---|---|---|---|
| Ref. No. | Part No. | Description | Remark | Ref. No. | Part No. | Description | Remark |
| | | MISCELLANEOUS<br>********** | | | | MISCELLANEOUS<br>********** | |
| 11 | 1-694-297-11 | TERMINAL BOARD, BATTERY | | 11 | 1-694-297-21 | TERMINAL BOARD, BATTERY | |
| 14 | 1-475-842-11 | MF BLOCK | | 14 | 1-959-715-11 | HARNESS (FF-195) | |
| LCD901 | 1-803-036-21 | INDICATOR MODULE, LIQUID CRYSTAL (SHARP) | | LCD901 | 1-803-036-21 | INDICATOR MODULE, LIQUID CRYSTAL | |
| LCD901 | 1-803-184-21 | INDICATOR MODULE, LIQUID CRYSTAL (CASIO) | | | | | |
| ⚠ND801 | 1-517-787-11 | TUBE, FLUORESCENT, COLD CATHODE | | ⚠ND801 | 1-517-817-21 | TUBE, FLUORESCENT, COLD CATHODE (2.5) | |

| Ref. No. | Part No. | Description | Remark |
|---|---|---|---|
| | | ACCESSORIES & PACKING MATERIALS<br>********** | |
| ⚠ | 1-555-074-21 | CORD, POWER (AUS) | |
| ⚠ | 1-782-476-12 | CORD, POWER (CN) | |
| ⚠ | 1-790-073-11 | CORD, POWER (JE) | |
| ⚠ | 1-569-008-21 | ADAPTOR, CONVERSION 2P (E) | |
| ⚠ | 1-573-856-11 | ADAPTOR, CHANGE (JE) | |
| ⚠ | 1-769-608-11 | CORD, POWER (AEP, UK, E, HK) | |
| ⚠ | 1-770-019-11 | ADAPTOR, CONVERSION PLUG 3P (UK, HK) | |
| ⚠ | 1-790-107-22 | CORD, POWER (US, CND) | |
| | 3-724-594-01 | STRING, CAP | |
| | 3-866-211-11 | MANUAL, INSTRUCTION (ENGLISH, SPANISH) | |
| | 3-866-211-21 | MANUAL, INSTRUCTION (GERMAN, FRENCH) (AEP, E, HK) | |
| | 3-866-211-31 | MANUAL, INSTRUCTION (ITALIAN, DUTCH) (AEP) | |
| | 3-866-211-41 | MANUAL, INSTRUCTION (PORTUGUESE, RUSSIAN) (AEP, E, HK, JE, CN) | |
| | 3-866-211-51 | MANUAL, INSTRUCTION (CHINESE) (E, HK, JE, CN) | |
| | 3-866-211-61 | MANUAL, INSTRUCTION (ARABIC, KOREAN) (E, HK, JE, CN) | |
| | 3-866-211-71 | MANUAL, INSTRUCTION (SWEDISH) (AEP) | |
| | 3-864-060-21 | MANUAL, INSTRUCTION (for BC-V615) (ITALIAN, DUTCH, PORTUGUESE, RUSSIAN) (AEP, E, HK, CN) | |
| | 3-864-060-31 | MANUAL, INSTRUCTION (for BC-V615) (CHINESE, KOREAN, ARABIC) (E, HK, JE, CN) | |
| | 3-987-015-01 | BELT (S), SHOULDER | |
| | X-3949-764-1 | CAP ASSY, LENS | |
| ⚠ | A-7029-111-B | BC-V615 AC POWER ADAPTOR | |
| ** | NP-F330 (Note 2) | | |

Note 1 The FD block assembly is a mechanical unit which has completely been adjusted in the factory. So never disassemble the FD block assembly.

Note 2 ** marked part is available as an optional accessory.

* Be sure to read “Precautions for Replacement of CCD Imager” on page 4-6 when changing the CCD imager.

| **Note :** | **Note :** |
|---|---|
| The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.<br>Replace only with part number specified. | Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.<br>Ne les remplacer que par une pièce portant le numéro spécifié. |

9-974-152-11

**Sony Corporation**
**Personal A&V Products Company**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**(Shinagawa)**

# MVC-FD73

SONY

# SERVICE MANUAL

**1999. 05**

*US Model*
*Canadian Model*
*AEP Model*
*UK Model*
*E Model*
*Australian Model*
*Chinese Model*
*Hong Kong Model*
*Brazilian Model*
*Tourist Model*

## SUPPLEMENT-1

File this supplement-1 with your service manual.

**Subject : ADDITION FOR LIQUID CRYSTAL INDICATOR MODULE (SHARP MADE) AND ACCESSORY PART (BUNDLE SOFT)**

(99-002)

# SECTION 4
# PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS

## 4-1. PRINTED WIRING BOARD AND SCHEMATIC DIAGRAMS

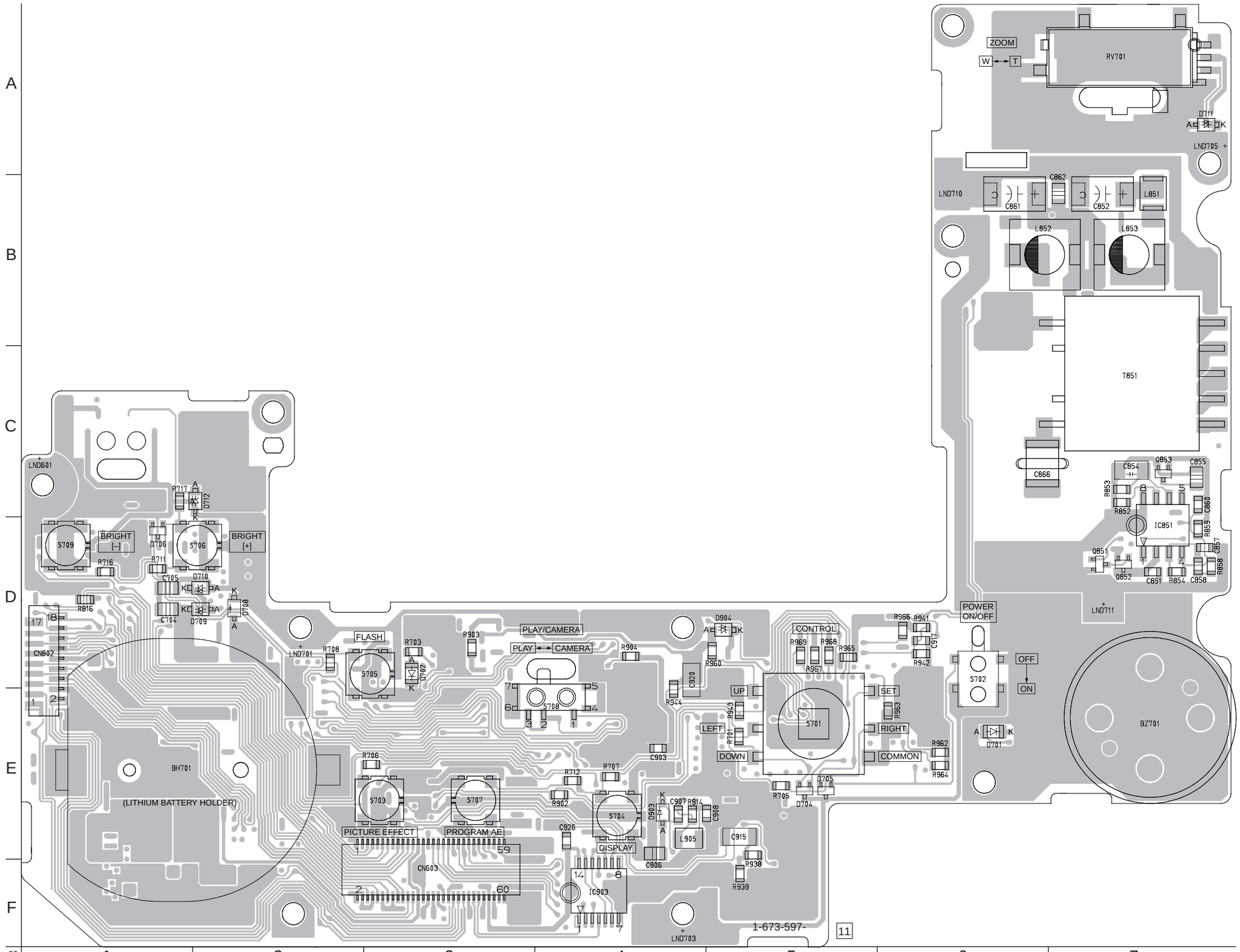
**PK-46 BOARD (SIDE A)**

| | | |
|---|---|---|
| | BH701 | E-1 |
| | BZ701 | E-7 |
| | C704 | D-1 |
| | C705 | D-1 |
| | C851 | D-7 |
| (S) | C852 | B-7 |
| | C854 | C-7 |
| | C855 | C-7 |
| | C857 | D-7 |
| | C858 | D-7 |
| | C860 | C-7 |
| | C861 | B-6 |
| | C862 | B-7 |
| | C866 | C-6 |
| | C903 | E-4 |
| | C906 | E-4 |
| | C907 | E-4 |
| | C908 | E-4 |
| | C915 | E-5 |
| (S) | C917 | D-6 |
| | C920 | D-4 |
| | C926 | E-4 |
| | CN603 | F-3 |
| | CN802 | D-1 |
| | D701 | E-6 |
| | D702 | D-3 |
| | D704 | E-5 |
| | D705 | E-5 |
| | D706 | D-1 |
| | D708 | D-2 |
| | D709 | D-2 |
| | D710 | D-2 |
| | D711 | A-7 |
| | D712 | C-2 |
| | D903 | E-4 |
| | D904 | D-5 |
| | IC851 | D-7 |
| | IC903 | F-4 |
| | L851 | B-7 |
| | L852 | B-6 |
| | L853 | B-7 |
| | L905 | E-4 |
| | Q851 | D-7 |
| | Q852 | D-7 |
| | Q853 | C-7 |
| | R701 | E-5 |
| | R703 | D-3 |
| | R705 | E-5 |
| | R706 | E-3 |
| | R707 | E-4 |
| | R708 | D-2 |
| | R711 | D-1 |
| | R712 | E-4 |
| | R716 | D-1 |
| | R717 | C-1 |
| | R816 | D-1 |
| | R852 | C-7 |
| | R853 | C-7 |
| | R854 | D-7 |
| | R858 | D-7 |
| | R859 | D-7 |
| (C) | R902 | E-4 |
| (S) | R903 | D-3 |
| | R904 | D-4 |
| (S) | R914 | E-4 |
| | R938 | E-5 |
| | R939 | F-5 |
| (S) | R941 | D-6 |
| | R942 | D-6 |
| (S) | R943 | E-5 |
| (S) | R944 | D-4 |
| (S) | R960 | D-5 |
| (C) | R962 | E-6 |
| (C) | R963 | E-6 |
| (S) | R964 | E-6 |
| (S) | R965 | D-5 |
| (C) | R966 | D-6 |
| (S) | R967 | D-5 |
| (S) | R968 | D-5 |
| (S) | R969 | D-5 |
| | RV701 | A-7 |
| | S701 | E-5 |
| | S702 | D-6 |
| | S703 | E-3 |
| | S704 | E-4 |
| | S705 | D-3 |
| | S706 | D-2 |
| | S707 | E-3 |
| | S708 | E-4 |
| | S709 | D-1 |
| | T851 | C-7 |

**Note**: (C) mark is CASIO made LCD panel model only.
(S) mark is SHARP made LCD panel model only.

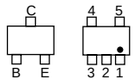
**PK-46 (FDD INTERFACE, RGB DECODER, LCD TIMING GENERATOR, MODE KEY SWITCH, BACK LIGHT) PRINTED WIRING BOARD**
— Ref. No.: PK-46 Board; 2,000 Series —

## PK-46 BOARD (SIDE A)

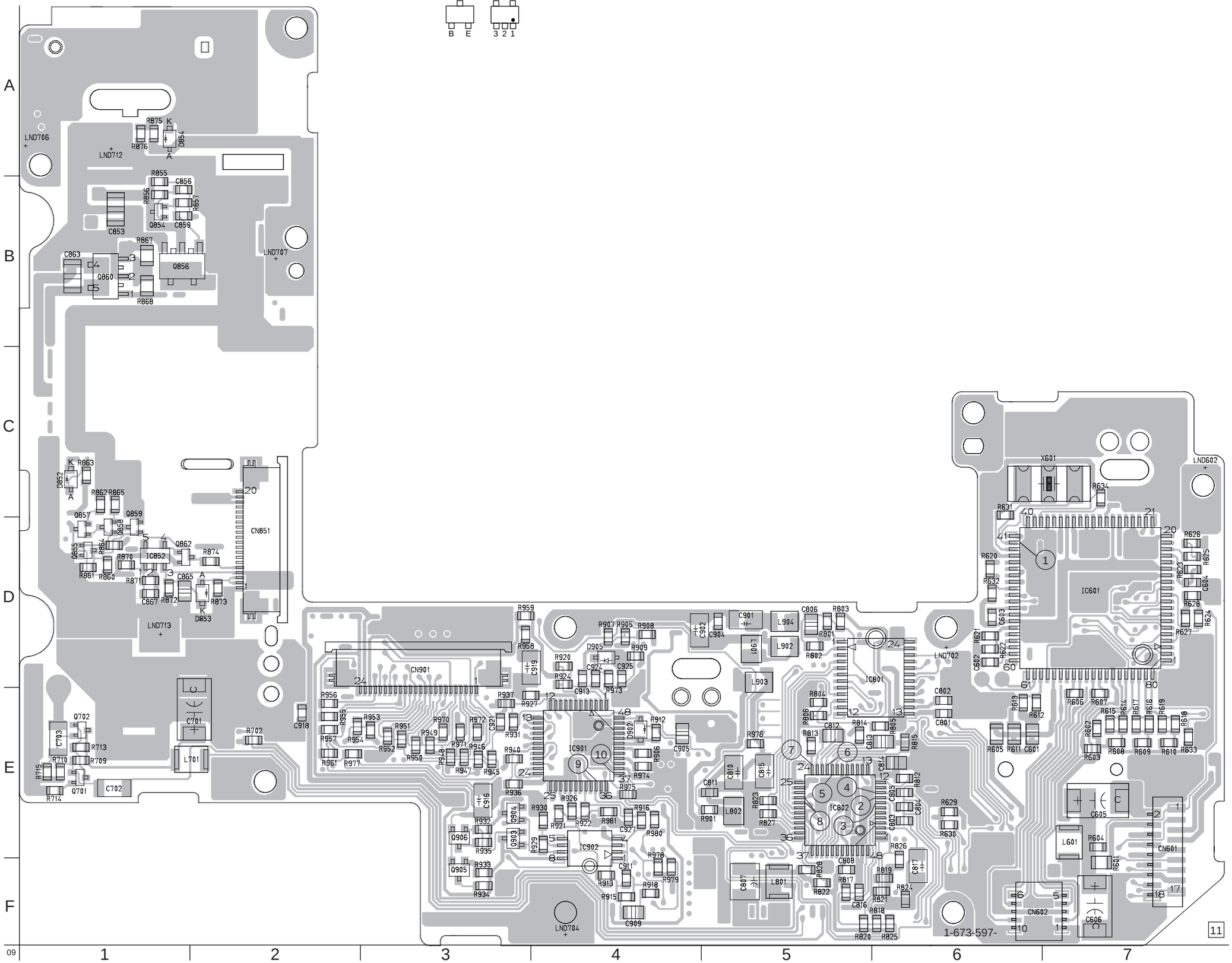


# PK-46 BOARD (SIDE B)

- **For printed wiring board.**
- PK-46 board is 4-layer print board. However, the patterns of layers 2 to 3 have not been included in the diagram.
- Chip transistor




There are few cases that the part printed on this diagram isn't mounted in this model.






FDD INTERFACE, RGB DECODER, LCD TIMING GENERATOR, MODE KEY SWITCH, BACK LIGHT
PK-46

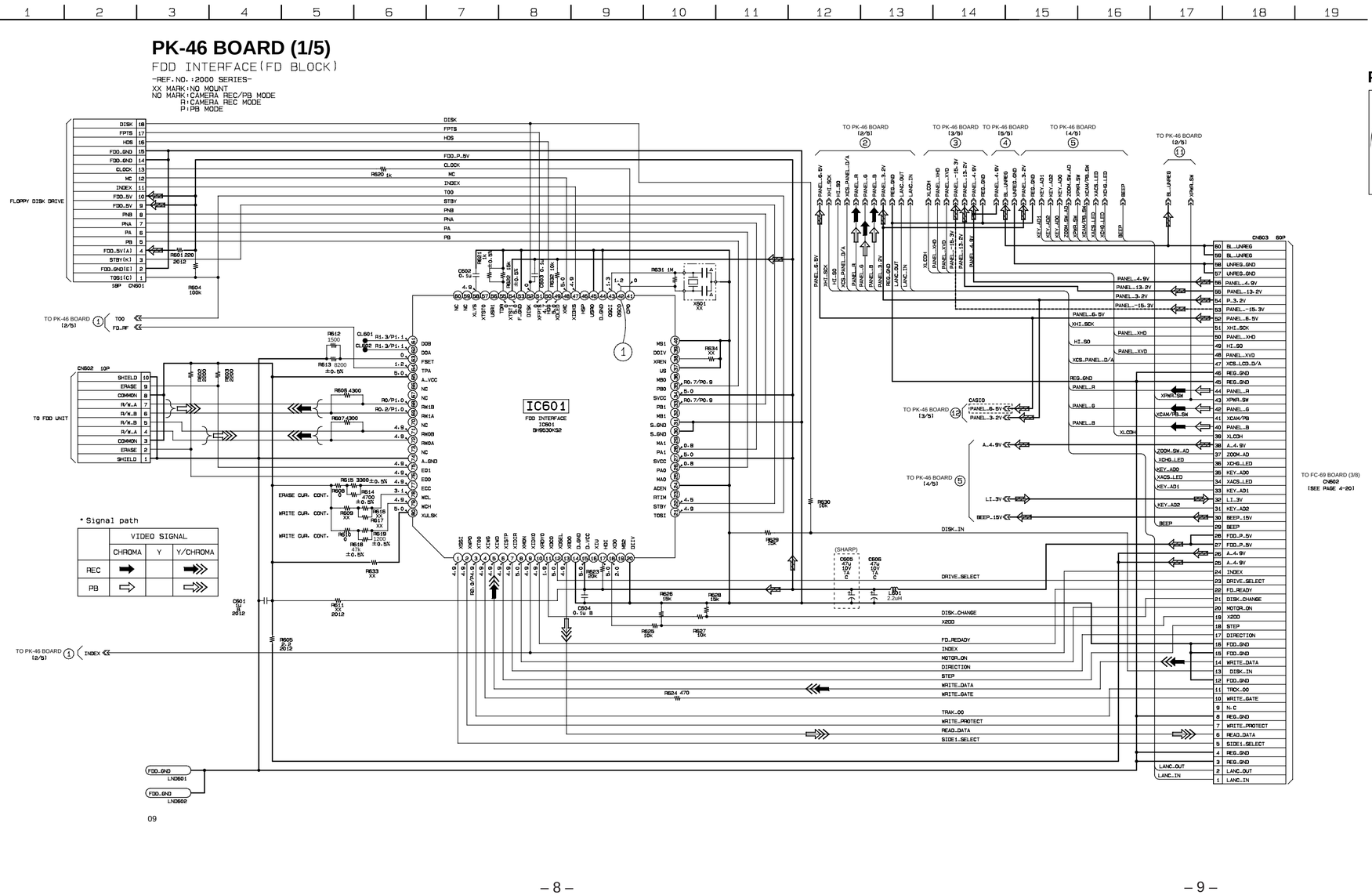
**PK-46 BOARD (SIDE B)**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| C601 | E-6 | (C) L904 | D-5 | R820 | F-5 | (C) R970 | E-3 |
| C602 | D-6 | | | R821 | F-6 | (C) R971 | E-3 |
| C603 | D-6 | Q701 | E-1 | R822 | F-5 | (C) R972 | E-3 |
| C604 | D-7 | Q702 | E-1 | R823 | E-5 | R973 | D-4 |
| (S) C605 | E-7 | Q854 | B-1 | R824 | F-6 | R974 | E-4 |
| C606 | F-7 | Q855 | D-1 | R825 | F-6 | R975 | E-4 |
| C701 | E-2 | Q856 | B-1 | R826 | E-6 | R976 | E-5 |
| C702 | E-1 | Q857 | D-1 | R827 | E-5 | R977 | E-2 |
| C703 | E-1 | Q858 | D-1 | R828 | F-5 | R978 | F-4 |
| C801 | E-6 | Q859 | D-1 | R855 | B-1 | R979 | F-4 |
| C802 | E-6 | Q860 | B-1 | R856 | B-1 | R980 | E-4 |
| C803 | E-6 | Q862 | D-1 | R857 | B-1 | R981 | E-4 |
| C804 | E-6 | Q903 | E-3 | R860 | D-1 | | |
| C805 | E-6 | Q904 | E-3 | R861 | D-1 | X601 | C-7 |
| C806 | D-5 | Q905 | F-3 | R862 | C-1 | | |
| C807 | F-5 | Q906 | E-3 | R863 | C-1 | | |
| C808 | F-5 | | | R864 | D-1 | | |
| (S) C810 | E-5 | R601 | E-7 | R865 | C-1 | | |
| C811 | E-5 | R602 | E-7 | R867 | B-1 | | |
| C812 | E-5 | R603 | E-7 | R868 | B-1 | | |
| C813 | E-6 | R604 | E-7 | R870 | D-1 | | |
| C814 | E-6 | R605 | E-6 | R871 | D-1 | | |
| (S) C815 | E-5 | R606 | E-7 | R872 | D-1 | | |
| C816 | F-5 | R607 | E-7 | R873 | D-2 | | |
| C817 | F-6 | R608 | E-7 | R874 | D-2 | | |
| C853 | B-1 | R609 | E-7 | R875 | A-1 | | |
| C856 | B-1 | R610 | E-7 | R876 | A-1 | | |
| C859 | B-1 | R611 | E-6 | (C) R901 | E-5 | | |
| C863 | B-1 | R612 | E-6 | R905 | D-4 | | |
| C865 | D-1 | R613 | E-6 | (C) R906 | E-4 | | |
| C867 | D-1 | R614 | E-7 | R907 | D-4 | | |
| (C) C901 | D-5 | R615 | E-7 | R908 | D-4 | | |
| C902 | D-4 | R616 | E-7 | R909 | D-4 | | |
| C904 | D-5 | R617 | E-7 | R912 | E-4 | | |
| C905 | E-4 | R618 | E-7 | R913 | F-4 | | |
| C909 | F-4 | R619 | E-7 | R915 | F-4 | | |
| C911 | F-4 | R620 | D-6 | R916 | E-4 | | |
| C913 | D-4 | R621 | D-6 | R918 | F-4 | | |
| (S) C916 | E-3 | R622 | D-6 | R920 | D-4 | | |
| C918 | E-2 | R623 | D-7 | R921 | E-4 | | |
| C919 | D-3 | R624 | D-7 | R922 | E-4 | | |
| (C) C921 | E-3 | R625 | D-7 | R924 | D-4 | | |
| C924 | D-4 | R626 | D-7 | R926 | E-4 | | |
| C925 | D-4 | R627 | D-7 | (S) R927 | E-3 | | |
| C927 | E-4 | R628 | D-7 | R929 | E-4 | | |
| | | R629 | E-6 | R930 | E-4 | | |
| CN601 | E-7 | R630 | E-6 | (S) R931 | E-3 | | |
| CN602 | F-6 | R631 | C-6 | R932 | E-3 | | |
| CN851 | D-2 | R632 | D-6 | R933 | F-3 | | |
| CN901 | D-3 | R633 | E-7 | R934 | F-3 | | |
| | | R634 | C-7 | R935 | E-3 | | |
| D852 | C-1 | R702 | E-2 | (C) R936 | E-3 | | |
| D853 | D-2 | R709 | E-1 | (C) R937 | E-3 | | |
| D854 | A-1 | R710 | E-1 | R940 | E-3 | | |
| D902 | E-4 | R713 | E-1 | (S) R945 | E-3 | | |
| D905 | D-5 | R714 | E-1 | (S) R946 | E-3 | | |
| | | R715 | E-1 | (S) R947 | E-3 | | |
| IC601 | D-7 | R801 | D-5 | (S) R948 | E-3 | | |
| IC801 | D-5 | R802 | D-5 | (S) R949 | E-3 | | |
| IC802 | E-5 | R803 | D-5 | (C) R950 | E-3 | | |
| IC852 | D-1 | R804 | E-5 | (C) R951 | E-3 | | |
| IC901 | E-4 | R805 | E-6 | (C) R952 | E-3 | | |
| IC902 | E-4 | R806 | E-5 | (C) R953 | E-3 | | |
| | | R812 | E-6 | (C) R954 | E-2 | | |
| L601 | E-7 | R813 | E-5 | (C) R955 | E-2 | | |
| (S) L701 | E-2 | R814 | E-5 | (S) R956 | E-2 | | |
| L801 | F-5 | R815 | E-6 | (C) R957 | E-2 | | |
| L802 | E-5 | R817 | F-5 | (S) R958 | D-3 | | |
| L901 | D-5 | R818 | F-6 | (C) R959 | D-3 | | |
| L902 | D-5 | R819 | F-6 | (S) R961 | E-2 | | |
| L903 | D-5 | | | | | | |

**Note**: (C) mark is CASIO made LCD panel model only.
(S) mark is SHARP made LCD panel model only.

**PK-46 (FDD INTERFACE) SCHEMATIC DIAGRAM**

• See page 3 for PK-46 BOARD printed wiring board.



**PK-46** BOARD (2/5)

② IC802 ⑨ REC/PB
0.6Vp-p

③ IC802 ⑧ REC/PB
0.5Vp-p

④ IC802 ⑩ REC/PB
0.5Vp-p

⑤ IC802 ⑳ REC/PB
4Vp-p

⑥ IC802 ㉒ REC/PB
4.2Vp-p

⑦ IC802 ㉔ REC/PB
4.3Vp-p

⑧ IC802 ㉘ REC/PB
㉙
4.9Vp-p
40µsec

**PK-46 (RGB DECODER) SCHEMATIC DIAGRAM** • See page 3 for PK-46 BOARD printed wiring board.

# PK-46 BOARD (2/5)

EVR DECODER(RGB BLOCK)

-REF.NO:2.000 SERIES-
XX MARK:NO MOUNT
NO MARK:CAMERA REC/PB MODE
R:CAMERA REC/MODE
P:PB MODE

IC801
EVR DRCODER

IC802
DECODER
IC802
IR3Y37A4

CPC
(FOR CHECK)

• SIGNAL PATH

| | VIDEO SIGNAL | | |
|---|---|---|---|
| | CHROMA | Y | Y/CHROMA |
| REC | ➡ | | |
| PB | ⇨ | | |

**PK-46 (LCD TIMING GENERATOR) SCHEMATIC DIAGRAM** • **See page 3 for PK-46 BOARD printed wiring board.**

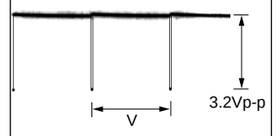
# PK-46 BOARD (3/5)

LCD TIMING GENERATOR(TG BLOCK)

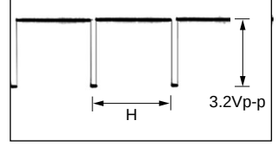
-REF.NO:2.000 SERIES-
XX MARK:NO MOUNT
NO MARK:CAMERA REC/PB MODE
R:CAMERA REC MODE
P:PB MODE

**PK-46** BOARD (3/5)

⑨ IC901 ㉞ REC/PB




⑩ IC901 ㊲ REC/PB




IC901
LCD TIMING GENERATOR
IC901
LZ98H184:SHARP
CM7017L3-T4:CASIO

IC902
NJM062V(TE2)
AMP FRPC

IC903
TC74HC4066AFS-EL : SHARP
TC74HC4066AFT(EL) : CASIO
SWITCH

D903 1T369-01-TBA
D905 1T369-01-T8A

CN901 24P

| | |
|---|---|
| 1 | VSH/CLD |
| 2 | VDD/SPD |
| 3 | VR/CTR |
| 4 | VB/EX3 |
| 5 | VG/EX2 |
| 6 | VSS/VB12 |
| 7 | MODE1/RES |
| 8 | MCLK/TST |
| 9 | HCNT/VR |
| 10 | CLR/VG |
| 11 | OE/VB |
| 12 | SRTL/GND |
| 13 | SRTR/VSH |
| 14 | VBC/COM |
| 15 | VCOM/VGL |
| 16 | MODE2/VSS |
| 17 | RESET/MO2 |
| 18 | GSRT/MO1 |
| 19 | GPCK/EX1 |
| 20 | GRES/SPS |
| 21 | VREFL/CLS |
| 22 | VGL/VCC |
| 23 | VREFH/VSH |
| 24 | VGH/VGH |

LCD901 COLOR LCD MONITOR

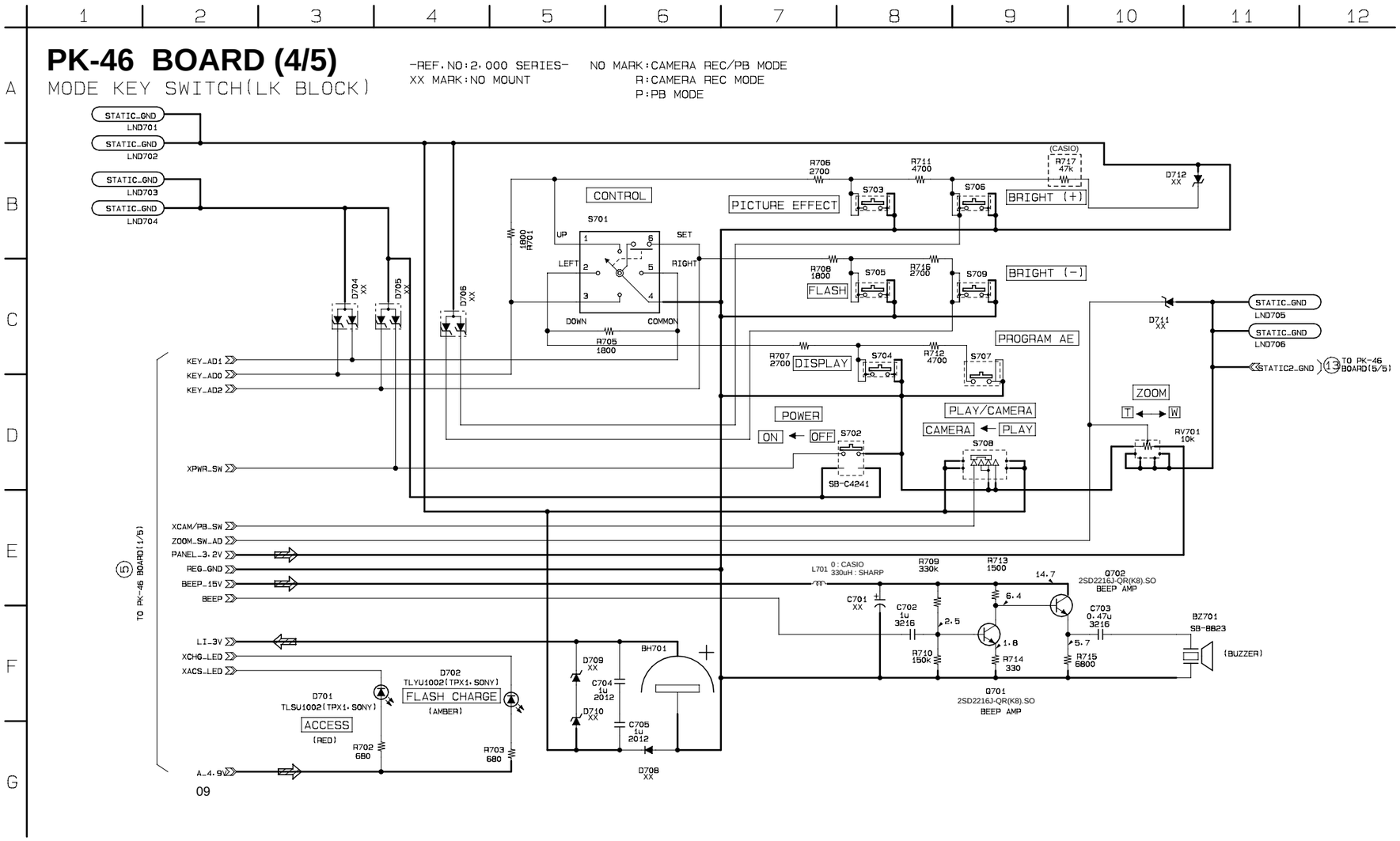
• Signal path

| | VIDEO SIGNAL | | |
|---|---|---|---|
| | CHROMA | Y | Y/CHROMA |
| REC | ➡ | | |
| PB | ⇨ | | |

09

## PK-46 (MODE KEY SWITCH) SCHEMATIC DIAGRAM

• See page 3 for PK-46 BOARD printed wiring board.



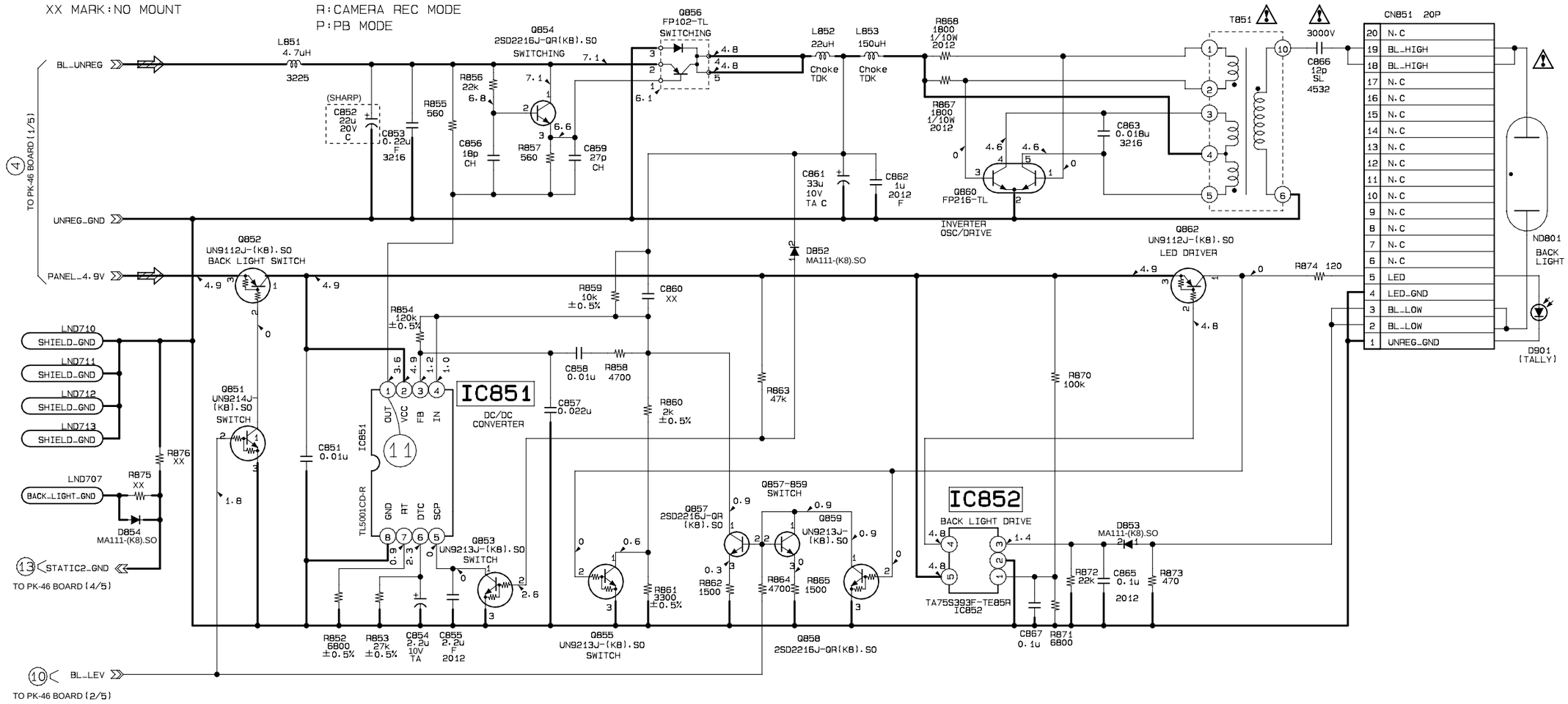
**PK-46 (BACK LIGHT) SCHEMATIC DIAGRAM**

- **See page 3 for PK-46 BOARD printed wiring board.**

# PK-46 BOARD (5/5)

BACK LIGHT(BL BLOCK)

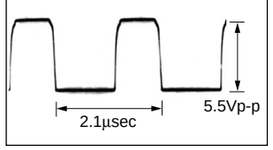
-REF.NO:2,000 SERIES-  NO MARK:CAMERA REC/PB MODE
XX MARK:NO MOUNT  R:CAMERA REC MODE
P:PB MODE




| Note: | Note: |
|---|---|
| The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified. | Les composants identifies par une marque ⚠ sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie. |

**PK-46** BOARD (5/5)

⑪ IC851 ① REC/PB



# SECTION 6
# REPAIR PARTS LIST

## 6-1. EXPLODED VIEWS

### 6-1-2. CABINET (REAR) SECTION

| Ref. No. | Part No. | Description | Remark |
|---|---|---|---|
| 58 | X-3949-575-2 | CABINET (REAR) ASSY (Except Brazilian) | |
| 58 | X-3949-817-1 | CABINET (REAR) ASSY (Brazilian) | |
| 71 | A-7094-351-A | PK-46 (CASIO) BOARD, COMPLETE (SERVICE) | |
| 71 | A-7094-529-A | PK-46 (SHARP) BOARD, COMPLETE (SERVICE) | |
| LCD901 | 1-803-036-21 | INDICATOR MODULE, LIQUID CRYSTAL (SHARP) | |
| LCD901 | 1-803-184-21 | INDICATOR MODULE, LIQUID CRYSTAL (CASIO) | |

## 6-2. ELECTRICAL PARTS LIST

Note:

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une piéce portant le numéro spécifié.

When indicating parts by reference number, please include the board name.

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX, -X mean standardized parts, so they may have some difference from the original one.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- RESISTORS
  All resistors are in ohms
  METAL: Metal-film resistor
  METAL OXIDE: Metal Oxide-film resistor
  F : nonflammable
- SEMICONDUCTORS
  In each case, u: µ , for example:
  uA...: µ A..., uPA...: µ PA..., uPB...: µ PB..., uPC...: µ PC..., uPD...: µ PD...
- CAPACITORS
  uF : µ F
- COILS
  uH : µ H
- Abbreviation
  CND : Canadian model
  HK : Hong Kong model
  AUS : Australian model
  JE : Tourist model

| Ref. No. | Part No. | Description | Remark |
|---|---|---|---|
| | A-7094-351-A | PK-46(CASIO) BOARD, COMPLETE (SERVICE) | |
| | | ********** | |
| | A-7094-529-A | PK-46(SHARP) BOARD, COMPLETE (SERVICE) | |
| | | ********** | |
| | | (Ref. No. 2,000 Series) | |
| | | < BATTERY HOLDER > | |
| | BH701 1-550-104-32 | HOLDER, BATTERY | |
| | | < BUZZER > | |
| | BZ701 1-529-107-11 | BUZZER, PIEZOELECTRIC | |
| | | < CAPACITOR > | |
| | C601 1-109-982-11 | CERAMIC CHIP 1uF 10% 10V | |
| | C602 1-107-826-91 | CERAMIC CHIP 0.1uF 10% 16V | |
| | C603 1-107-826-91 | CERAMIC CHIP 0.1uF 10% 16V | |
| | C604 1-107-826-91 | CERAMIC CHIP 0.1uF 10% 16V | |
| (S) | C605 1-113-642-11 | TANTAL. CHIP 47uF 20% 10V | |
| | C606 1-113-642-11 | TANTAL. CHIP 47uF 20% 10V | |
| | C702 1-107-682-11 | CERAMIC CHIP 1uF 10% 16V | |
| | C703 1-165-320-11 | CERAMIC CHIP 0.47uF 10% 16V | |
| | C704 1-109-982-11 | CERAMIC CHIP 1uF 10% 10V | |
| | C705 1-109-982-11 | CERAMIC CHIP 1uF 10% 10V | |
| | C801 1-107-826-91 | CERAMIC CHIP 0.1uF 10% 16V | |
| | C802 1-107-826-91 | CERAMIC CHIP 0.1uF 10% 16V | |
| | C803 1-162-970-11 | CERAMIC CHIP 0.01uF 10% 25V | |
| | C804 1-162-970-11 | CERAMIC CHIP 0.01uF 10% 25V | |
| | C805 1-162-970-11 | CERAMIC CHIP 0.01uF 10% 25V | |
| | C806 1-164-004-11 | CERAMIC CHIP 0.1uF 10% 25V | |
| | C807 1-110-569-11 | TANTAL. CHIP 47uF 20% 6.3V | |
| | C808 1-107-826-91 | CERAMIC CHIP 0.1uF 10% 16V | |
| (S) | C810 1-104-851-11 | TANTAL. CHIP 10uF 20% 10V | |
| | C811 1-107-826-91 | CERAMIC CHIP 0.1uF 10% 16V | |
| | C812 1-164-004-11 | CERAMIC CHIP 0.1uF 10% 25V | |
| | C813 1-164-004-11 | CERAMIC CHIP 0.1uF 10% 25V | |
| | C814 1-164-004-11 | CERAMIC CHIP 0.1uF 10% 25V | |
| (S) | C815 1-104-851-11 | TANTAL. CHIP 10uF 20% 10V | |
| | C851 1-162-970-11 | CERAMIC CHIP 0.01uF 10% 25V | |
| (S) | C852 1-113-981-11 | TANTAL. CHIP 22uF 20% 20V | |
| | C853 1-163-081-00 | CERAMIC CHIP 0.22uF 25V | |
| | C854 1-135-149-21 | TANTALUM CHIP 2.2uF 20% 10V | |
| | C855 1-164-505-11 | CERAMIC CHIP 2.2uF 16V | |
| | C856 1-162-918-11 | CERAMIC CHIP 18PF 5% 50V | |
| | C857 1-164-227-11 | CERAMIC CHIP 0.022uF 10% 25V | |
| | C858 1-162-970-11 | CERAMIC CHIP 0.01uF 10% 25V | |
| | C859 1-162-920-11 | CERAMIC CHIP 27PF 5% 50V | |
| | C861 1-104-911-11 | TANTAL. CHIP 33uF 20% 10V | |
| | C862 1-164-346-11 | CERAMIC CHIP 1uF 16V | |
| | C863 1-164-661-11 | CERAMIC CHIP 0.018uF 10% 50V | |
| | C865 1-107-725-11 | CERAMIC CHIP 0.1uF 10% 16V | |
| ⚠ | C866 1-113-521-91 | CERAMIC CHIP 12PF 10% 3KV | |
| | C867 1-107-826-91 | CERAMIC CHIP 0.1uF 10% 16V | |
| (C) | C901 1-135-259-11 | TANTAL. CHIP 10uF 20% 6.3V | |
| | C902 1-107-687-11 | TANTAL. CHIP 3.3uF 20% 20V | |
| | C903 1-107-826-91 | CERAMIC CHIP 0.1uF 10% 16V | |
| | C904 1-107-826-91 | CERAMIC CHIP 0.1uF 10% 16V | |
| (C) | C905 1-110-501-11 | CERAMIC CHIP 0.33uF 10% 16V | |
| (S) | C905 1-164-004-11 | CERAMIC CHIP 0.1uF 10% 25V | |
| | C906 1-164-004-11 | CERAMIC CHIP 0.1uF 10% 25V | |
| | C907 1-162-964-11 | CERAMIC CHIP 0.001uF 10% 50V | |
| | C908 1-162-926-11 | CERAMIC CHIP 82PF 5% 50V | |
| | C909 1-164-004-11 | CERAMIC CHIP 0.1uF 10% 25V | |
| | C911 1-164-739-11 | CERAMIC CHIP 560PF 5% 50V | |

**Note**: (C) mark is CASIO made LCD panel model only.
(S) mark is SHARP made LCD panel model only.



The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une piéce portant le numéro spécifié.

## PK-46

| Ref. No. | Part No. | Description | Remark |
|---|---|---|---|
| C913 | 1-162-926-11 | CERAMIC CHIP 82PF 5% 50V | |
| C915 | 1-107-682-11 | CERAMIC CHIP 1uF 10% 16V | |
| (S) C916 | 1-113-994-11 | TANTAL. CHIP 6.8uF 20% 16V | |
| (S) C917 | 1-162-970-11 | CERAMIC CHIP 0.01uF 10% 25V | |
| C918 | 1-107-826-91 | CERAMIC CHIP 0.1uF 10% 16V | |
| C919 | 1-107-689-21 | TANTAL. CHIP 1uF 20% 35V | |
| C920 | 1-107-682-11 | CERAMIC CHIP 1uF 10% 16V | |
| (C) C921 | 1-107-826-91 | CERAMIC CHIP 0.1uF 10% 16V | |
| C926 | 1-107-826-91 | CERAMIC CHIP 0.1uF 10% 16V | |
| | | < CONNECTOR > | |
| CN601 | 1-764-526-11 | CONNECTOR, FFC/FPC 18P | |
| * CN602 | 1-750-075-11 | CONNECTOR, FFC/FPC 10P | |
| CN603 | 1-778-598-21 | CONNECTOR, BOARD TO BOARD 60P | |
| CN802 | 1-764-526-11 | CONNECTOR, FFC/FPC 18P | |
| CN851 | 1-573-929-21 | CONNECTOR, FFC/FPC (ZIF) 20P | |
| CN901 | 1-691-388-11 | CONNECTOR, FFC/FPC (ZIF) 24P | |
| | | < DIODE > | |
| D701 | 8-719-061-82 | DIODE TLSU1002(TPX1,SONY)(ACCESS) | |
| D702 | 8-719-061-81 | DIODE TLYU1002(TPX1,SONY) (FLASH CHARGE) | |
| D852 | 8-719-073-01 | DIODE MA111-(K8).S0 | |
| D853 | 8-719-073-01 | DIODE MA111-(K8).S0 | |
| D854 | 8-719-073-01 | DIODE MA111-(K8).S0 | |
| D903 | 8-713-102-80 | DIODE 1T369-01-T8A | |
| D904 | 8-719-976-96 | DIODE MA8047-H-TX | |
| | | < IC > | |
| IC601 | 8-759-535-05 | IC BH9530KS2 | |
| IC801 | 8-759-530-19 | IC MB40D001PFV-G-BND-ER | |
| IC802 | 8-759-539-27 | IC IR3Y37A4 | |
| IC851 | 8-759-521-35 | IC TL5001CDR | |
| IC852 | 8-759-075-70 | IC TA75S393F-TE85R | |
| (S) IC901 | 8-759-495-00 | IC LZ9GH184 | |
| (C) IC901 | 8-759-530-20 | IC CM7017L3-T4 | |
| IC902 | 8-759-327-01 | IC NJM062V(TE2) | |
| (C) IC903 | 8-759-523-03 | IC TC74HC4066AFT(EL) | |
| (S) IC903 | 8-759-066-58 | IC TC74HC4066AFS-EL | |
| | | < COIL > | |
| L601 | 1-414-394-11 | INDUCTOR 2.2uH | |
| L701 | 1-216-296-91 | SHORT 0 | |
| (S) L701 | 1-412-067-21 | INDUCTOR CHIP 330uH | |
| L801 | 1-414-402-11 | INDUCTOR 47uH | |
| L802 | 1-414-078-11 | INDUCTOR 10uH | |
| L851 | 1-414-396-21 | INDUCTOR 4.7uH | |
| L852 | 1-424-674-11 | INDUCTOR 22uH | |
| L853 | 1-409-536-41 | INDUCTOR 150uH | |
| L901 | 1-414-754-11 | INDUCTOR 10uH | |
| L902 | 1-414-754-11 | INDUCTOR 10uH | |
| L903 | 1-412-951-11 | INDUCTOR 10uH | |
| (C) L904 | 1-414-754-11 | INDUCTOR 10uH | |
| L905 | 1-412-953-11 | INDUCTOR 15uH | |
| | | < TRANSISTOR > | |
| Q701 | 8-729-037-52 | TRANSISTOR 2SD2216J-QR(K8).SO | |
| Q702 | 8-729-037-52 | TRANSISTOR 2SD2216J-QR(K8).SO | |
| Q851 | 8-729-042-72 | TRANSISTOR UN9214J-(K8).SO | |
| Q852 | 8-729-042-59 | TRANSISTOR UN9112J-(K8).SO | |
| Q853 | 8-729-037-74 | TRANSISTOR UN9213J-(K8).SO | |
| Q854 | 8-729-037-52 | TRANSISTOR 2SD2216J-QR(K8).SO | |
| Q855 | 8-729-037-74 | TRANSISTOR UN9213J-(K8).SO | |
| Q856 | 8-729-823-84 | TRANSISTOR FP102-TL | |
| Q857 | 8-729-037-52 | TRANSISTOR 2SD2216J-QR(K8).SO | |
| Q858 | 8-729-037-52 | TRANSISTOR 2SD2216J-QR(K8).SO | |
| Q859 | 8-729-037-74 | TRANSISTOR UN9213J-(K8).SO | |
| Q860 | 8-729-039-43 | TRANSISTOR FP216-TL | |
| Q862 | 8-729-042-59 | TRANSISTOR UN9112J-(K8).SO | |
| Q903 | 8-729-230-63 | TRANSISTOR 2SD1819A-QRS-TX | |
| Q904 | 8-729-420-24 | TRANSISTOR 2SB1218A-QRS-TX | |
| Q905 | 8-729-230-63 | TRANSISTOR 2SD1819A-QRS-TX | |
| Q906 | 8-729-420-24 | TRANSISTOR 2SB1218A-QRS-TX | |
| | | < RESISTOR > | |
| R601 | 1-216-033-00 | METAL CHIP 220 5% 1/10W | |
| R602 | 1-216-825-11 | METAL CHIP 2.2K 5% 1/16W | |
| R603 | 1-216-825-11 | METAL CHIP 2.2K 5% 1/16W | |
| R604 | 1-216-845-11 | METAL CHIP 100K 5% 1/16W | |
| R605 | 1-216-298-00 | METAL CHIP 2.2 5% 1/10W | |
| R606 | 1-218-707-11 | RES,CHIP 4.3K 5% 1/16W | |
| R607 | 1-218-707-11 | RES,CHIP 4.3K 5% 1/16W | |
| R608 | 1-216-864-11 | METAL CHIP 0 5% 1/16W | |
| R610 | 1-216-864-11 | METAL CHIP 0 5% 1/16W | |
| R612 | 1-218-851-11 | RES,CHIP 1.5K 0.50% 1/16W | |
| R613 | 1-218-869-11 | RES,CHIP 8.2K 0.50% 1/16W | |
| R614 | 1-218-863-11 | RES,CHIP 4.7K 0.50% 1/16W | |
| R615 | 1-218-859-11 | RES,CHIP 3.3K 0.50% 1/16W | |
| R618 | 1-218-887-11 | RES,CHIP 47K 0.50% 1/16W | |
| R619 | 1-218-849-11 | RES,CHIP 1.2K 0.50% 1/16W | |
| R620 | 1-216-821-11 | METAL CHIP 1K 5% 1/16W | |
| R621 | 1-218-847-11 | RES,CHIP 1K 0.50% 1/16W | |
| R622 | 1-218-875-11 | RES,CHIP 15K 0.50% 1/16W | |
| R623 | 1-218-292-11 | RES,CHIP 20K 5% 1/16W | |
| R624 | 1-216-817-11 | METAL CHIP 470 5% 1/16W | |
| R625 | 1-216-833-91 | RES,CHIP 10K 5% 1/16W | |
| R626 | 1-216-835-11 | METAL CHIP 15K 5% 1/16W | |
| R627 | 1-216-833-91 | RES,CHIP 10K 5% 1/16W | |
| R628 | 1-216-835-11 | METAL CHIP 15K 5% 1/16W | |
| R629 | 1-216-835-11 | METAL CHIP 15K 5% 1/16W | |
| R630 | 1-216-833-91 | RES,CHIP 10K 5% 1/16W | |
| R631 | 1-216-857-11 | METAL CHIP 1M 5% 1/16W | |
| R632 | 1-216-833-91 | RES,CHIP 10K 5% 1/16W | |
| R701 | 1-216-824-11 | METAL CHIP 1.8K 5% 1/16W | |
| R702 | 1-216-819-11 | METAL CHIP 680 5% 1/16W | |
| R703 | 1-216-819-11 | METAL CHIP 680 5% 1/16W | |
| R705 | 1-216-824-11 | METAL CHIP 1.8K 5% 1/16W | |
| R706 | 1-216-826-11 | METAL CHIP 2.7K 5% 1/16W | |
| R707 | 1-216-826-11 | METAL CHIP 2.7K 5% 1/16W | |
| R708 | 1-216-824-11 | METAL CHIP 1.8K 5% 1/16W | |
| R709 | 1-216-851-11 | METAL CHIP 330K 5% 1/16W | |
| R710 | 1-216-847-11 | METAL CHIP 150K 5% 1/16W | |
| R711 | 1-216-829-11 | METAL CHIP 4.7K 5% 1/16W | |
| R712 | 1-216-829-11 | METAL CHIP 4.7K 5% 1/16W | |
| R713 | 1-216-823-11 | METAL CHIP 1.5K 5% 1/16W | |
| R714 | 1-216-815-11 | METAL CHIP 330 5% 1/16W | |
| R715 | 1-216-826-11 | METAL CHIP 2.7K 5% 1/16W | |
| R716 | 1-216-826-11 | METAL CHIP 2.7K 5% 1/16W | |
| (C) R717 | 1-216-841-11 | METAL CHIP 47K 5% 1/16W | |
| R801 | 1-216-864-11 | METAL CHIP 0 5% 1/16W | |

**Note**: (C) mark is CASIO made LCD panel model only.
(S) mark is SHARP made LCD panel model only.

| Ref. No. | Part No. | Description | | | Remark |
|---|---|---|---|---|---|
| R804 | 1-216-837-11 | METAL CHIP | 22K | 5% | 1/16W |
| R805 | 1-216-834-11 | METAL CHIP | 12K | 5% | 1/16W |
| R806 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/16W |
| R812 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/16W |
| R813 | 1-216-805-11 | METAL CHIP | 47 | 5% | 1/16W |
| R814 | 1-216-805-11 | METAL CHIP | 47 | 5% | 1/16W |
| R815 | 1-216-805-11 | METAL CHIP | 47 | 5% | 1/16W |
| (C) R816 | 1-216-864-11 | METAL CHIP | 0 | 5% | 1/16W |
| (S) R816 | 1-216-833-91 | RES,CHIP | 10K | 5% | 1/16W |
| (C) R822 | 1-216-843-11 | METAL CHIP | 68K | 5% | 1/16W |
| (S) R822 | 1-216-840-11 | METAL CHIP | 39K | 5% | 1/16W |
| R823 | 1-216-834-11 | METAL CHIP | 12K | 5% | 1/16W |
| R826 | 1-216-864-11 | METAL CHIP | 0 | 5% | 1/16W |
| R827 | 1-216-835-11 | METAL CHIP | 15K | 5% | 1/16W |
| R828 | 1-216-839-11 | METAL CHIP | 33K | 5% | 1/16W |
| R852 | 1-218-867-11 | RES,CHIP | 6.8K | 0.50% | 1/16W |
| R853 | 1-218-881-11 | RES,CHIP | 27K | 0.50% | 1/16W |
| R854 | 1-218-897-11 | RES,CHIP | 120K | 0.50% | 1/16W |
| R855 | 1-216-818-11 | METAL CHIP | 560 | 5% | 1/16W |
| R856 | 1-216-837-11 | METAL CHIP | 22K | 5% | 1/16W |
| R857 | 1-216-818-11 | METAL CHIP | 560 | 5% | 1/16W |
| R858 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/16W |
| R859 | 1-218-871-11 | RES,CHIP | 10K | 0.50% | 1/16W |
| R860 | 1-218-854-11 | RES,CHIP | 2K | 0.50% | 1/16W |
| R861 | 1-218-859-11 | RES,CHIP | 3.3K | 0.50% | 1/16W |
| R862 | 1-216-823-11 | METAL CHIP | 1.5K | 5% | 1/16W |
| R863 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/16W |
| R864 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/16W |
| R865 | 1-216-823-11 | METAL CHIP | 1.5K | 5% | 1/16W |
| R867 | 1-216-055-00 | METAL CHIP | 1.8K | 5% | 1/10W |
| R868 | 1-216-055-00 | METAL CHIP | 1.8K | 5% | 1/10W |
| R870 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/16W |
| R871 | 1-216-831-11 | METAL CHIP | 6.8K | 5% | 1/16W |
| R872 | 1-216-837-11 | METAL CHIP | 22K | 5% | 1/16W |
| R873 | 1-216-817-11 | METAL CHIP | 470 | 5% | 1/16W |
| R874 | 1-216-810-11 | METAL CHIP | 120 | 5% | 1/16W |
| (C) R901 | 1-216-864-11 | METAL CHIP | 0 | 5% | 1/16W |
| (C) R902 | 1-216-864-11 | METAL CHIP | 0 | 5% | 1/16W |
| (S) R903 | 1-216-864-11 | METAL CHIP | 0 | 5% | 1/16W |
| R905 | 1-216-855-11 | METAL CHIP | 680K | 5% | 1/16W |
| (C) R906 | 1-216-864-11 | METAL CHIP | 0 | 5% | 1/16W |
| R908 | 1-216-846-11 | METAL CHIP | 120K | 5% | 1/16W |
| (C) R912 | 1-216-842-11 | METAL CHIP | 56K | 5% | 1/16W |
| (S) R912 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/16W |
| R913 | 1-216-833-91 | RES,CHIP | 10K | 5% | 1/16W |
| (S) R914 | 1-216-857-11 | METAL CHIP | 1M | 5% | 1/16W |
| R915 | 1-216-857-11 | METAL CHIP | 1M | 5% | 1/16W |
| R916 | 1-216-837-11 | METAL CHIP | 22K | 5% | 1/16W |
| R918 | 1-216-843-11 | METAL CHIP | 68K | 5% | 1/16W |
| (C) R920 | 1-218-897-11 | RES,CHIP | 120K | 0.50% | 1/16W |
| (S) R920 | 1-218-901-11 | RES,CHIP | 180K | 0.50% | 1/16W |
| R921 | 1-216-843-11 | METAL CHIP | 68K | 5% | 1/16W |
| R922 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/16W |
| (C) R924 | 1-218-897-11 | RES,CHIP | 120K | 0.50% | 1/16W |
| (S) R924 | 1-218-901-11 | RES,CHIP | 180K | 0.50% | 1/16W |
| R926 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/16W |
| (S) R927 | 1-216-864-11 | METAL CHIP | 0 | 5% | 1/16W |
| R929 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/16W |

| Ref. No. | Part No. | Description | | | Remark |
|---|---|---|---|---|---|
| R930 | 1-216-839-11 | METAL CHIP | 33K | 5% | 1/16W |
| (S) R931 | 1-216-864-11 | METAL CHIP | 0 | 5% | 1/16W |
| R932 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/16W |
| R933 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/16W |
| R934 | 1-216-864-11 | METAL CHIP | 0 | 5% | 1/16W |
| R935 | 1-216-864-11 | METAL CHIP | 0 | 5% | 1/16W |
| (C) R936 | 1-216-864-11 | METAL CHIP | 0 | 5% | 1/16W |
| (C) R937 | 1-216-864-11 | METAL CHIP | 0 | 5% | 1/16W |
| R938 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/16W |
| R939 | 1-216-839-11 | METAL CHIP | 33K | 5% | 1/16W |
| R940 | 1-216-864-11 | METAL CHIP | 0 | 5% | 1/16W |
| (S) R941 | 1-218-883-11 | RES,CHIP | 33K | 0.50% | 1/16W |
| (C) R942 | 1-216-864-11 | METAL CHIP | 0 | 5% | 1/16W |
| (S) R942 | 1-218-879-11 | RES,CHIP | 22K | 0.50% | 1/16W |
| (S) R943 | 1-218-883-11 | RES,CHIP | 33K | 0.50% | 1/16W |
| (S) R944 | 1-218-879-11 | RES,CHIP | 22K | 0.50% | 1/16W |
| (S) R945 | 1-216-864-11 | METAL CHIP | 0 | 5% | 1/16W |
| (S) R946 | 1-216-864-11 | METAL CHIP | 0 | 5% | 1/16W |
| (S) R947 | 1-216-864-11 | METAL CHIP | 0 | 5% | 1/16W |
| (S) R948 | 1-216-864-11 | METAL CHIP | 0 | 5% | 1/16W |
| (S) R949 | 1-216-864-11 | METAL CHIP | 0 | 5% | 1/16W |
| (C) R950 | 1-216-864-11 | METAL CHIP | 0 | 5% | 1/16W |
| R951 | 1-216-864-11 | METAL CHIP | 0 | 5% | 1/16W |
| (C) R952 | 1-216-864-11 | METAL CHIP | 0 | 5% | 1/16W |
| (C) R953 | 1-216-864-11 | METAL CHIP | 0 | 5% | 1/16W |
| (C) R954 | 1-216-864-11 | METAL CHIP | 0 | 5% | 1/16W |
| (C) R955 | 1-216-864-11 | METAL CHIP | 0 | 5% | 1/16W |
| (S) R956 | 1-216-864-11 | METAL CHIP | 0 | 5% | 1/16W |
| (C) R957 | 1-216-864-11 | METAL CHIP | 0 | 5% | 1/16W |
| (S) R958 | 1-216-864-11 | METAL CHIP | 0 | 5% | 1/16W |
| (C) R959 | 1-216-864-11 | METAL CHIP | 0 | 5% | 1/16W |
| (S) R960 | 1-216-864-11 | METAL CHIP | 0 | 5% | 1/16W |
| (S) R961 | 1-216-864-11 | METAL CHIP | 0 | 5% | 1/16W |
| (C) R962 | 1-216-836-11 | METAL CHIP | 18K | 5% | 1/16W |
| (C) R963 | 1-216-864-11 | METAL CHIP | 0 | 5% | 1/16W |
| (S) R964 | 1-216-864-11 | METAL CHIP | 0 | 5% | 1/16W |
| (S) R965 | 1-216-864-11 | METAL CHIP | 0 | 5% | 1/16W |
| (C) R966 | 1-216-864-11 | METAL CHIP | 0 | 5% | 1/16W |
| (S) R967 | 1-216-805-11 | METAL CHIP | 47 | 5% | 1/16W |
| (S) R968 | 1-216-805-11 | METAL CHIP | 47 | 5% | 1/16W |
| (S) R969 | 1-216-805-11 | METAL CHIP | 47 | 5% | 1/16W |
| (C) R970 | 1-216-805-11 | METAL CHIP | 47 | 5% | 1/16W |
| (C) R971 | 1-216-805-11 | METAL CHIP | 47 | 5% | 1/16W |
| (C) R972 | 1-216-805-11 | METAL CHIP | 47 | 5% | 1/16W |
| R974 | 1-216-864-11 | METAL CHIP | 0 | 5% | 1/16W |
| R975 | 1-216-864-11 | METAL CHIP | 0 | 5% | 1/16W |
| R978 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/16W |
| R979 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/16W |
| R980 | 1-216-864-11 | METAL CHIP | 0 | 5% | 1/16W |
| R981 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/16W |
| | | < VARIABLE RESISTOR > | | | |
| RV701 | 1-225-224-11 | RES, VAR 10K (ZOOM) | | | |
| | | < SWITCH > | | | |
| S701 | 1-771-128-11 | SWITCH, TACTILE (CONTROL) | | | |
| S702 | 1-572-467-21 | SWITCH, PUSH (1 KEY)(POWER) | | | |

**Note**: (C) mark is CASIO made LCD panel model only.
(S) mark is SHARP made LCD panel model only.

| Ref. No. | Part No. | Description | Remark |
|---|---|---|---|
| S703 | 1-771-106-11 | SWITCH, TACTILE (PICTURE EFFECT) | |
| S704 | 1-771-106-11 | SWITCH, TACTILE (DISPLAY) | |
| S705 | 1-771-106-11 | SWITCH, TACTILE (FLASH) | |
| S706 | 1-771-106-11 | SWITCH, TACTILE (BRIGHT +) | |
| S707 | 1-771-106-11 | SWITCH, TACTILE (PROGRAM AE) | |
| S708 | 1-762-741-11 | SWITCH, SLIDE (PLAY/CAMERA) | |
| S709 | 1-771-106-11 | SWITCH, TACTILE (BRIGHT -) | |
| | | < TRANSFORMER > | |
| T851 | 1-431-861-21 | TRANSFORMER, INVERTER (US,CND,AEP,HK) | |

**********

MISCELLANEOUS
**********

| | | | |
|---|---|---|---|
| LCD901 | 1-803-036-21 | INDICATOR MODULE, LIQUID CRYSTAL (SHARP) | |
| LCD901 | 1-803-184-21 | INDICATOR MODULE, LIQUID CRYSTAL (CASIO) | |

**********

ACCESSORIES & PACKING MATERIALS
**********

| | | | |
|---|---|---|---|
| * | 3-055-748-01 | BUNDLE SOFT (PS) (AEP,UK) | |

| Ref. No. | Part No. | Description | Remark |
|---|---|---|---|

# MVC-FD73

SONY

# SERVICE MANUAL

**1999. 11**

*US Model*
*Canadian Model*
*AEP Model*
*UK Model*
*E Model*
*Australian Model*
*Chinese Model*
*Hong Kong Model*
*Brazilian Model*
*Tourist Model*

# CORRECTION-1

File this correction with the service manual.
(99-023)

**CORRECTION OF Parts-No**

☛ **: Point changed portion**
**Page : 6-1**

| INCORRECT | CORRECT |
|---|---|
| 17 X-3949-578-1 LID ASSY BATTERY | 17 X-3949-587-1 LID ASSY BATTERY |

**9-974-152-91**

**Sony Corporation**
**Personal VIDEO Products Company**

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# MVC-FD73

SONY

# SERVICE MANUAL

1999.12

*US Model*
*Canadian Model*
*AEP Model*
*UK Model*
*E Model*
*Australian Model*
*Chinese Model*
*Hong Kong Model*
*Brazilian Model*
*Tourist Model*

# CORRECTION-2

File this correction with the service manual.
(99-026)

**CORRECTION OF FLANGE BACK ADJUSTMENT AND PICTURE FRAME ADJUSTMENT**

: Points deleted parts
: Points changed parts

| INCORRECT | CORRECT |
|---|---|
| **(Page : 5-5)**<br><br>**2. Flange back adjustment**<br><br>The flange back of inner focus lens is adjusted auto-matically. If shifted, the AUTO FOCUS and MANUAL FOCUS aredisordered.<br><br>6) Set data: 27 to page: 2, address: 01, and press the PAUSE button on the adjustment remote commander.<br>(The adjustment data are automatically entered to page: F, address: B6 to BB, BE to C5.) | **(Page : 5-5)**<br><br>**2. Flange back adjustment**<br><br>The flange back of inner focus lens is adjusted auto-matically.<br><br>6) Set data: 15 to page: 2, address: 01, and press the PAUSE button on the adjustment remote commander.<br>(The adjustment data are automatically entered to page: F, address: B6 to BB, BE to C5.) |
| **(Page : 5-6)**<br><br>**3. Flange back check**<br><br>**Checking procedure:**<br>4) Adjust the just focus in the AUTO FOCUS.<br><br>**4. Picture frame setting**<br><br>**Switch setting:**<br>1) AUTO FOCUS/MANUAL .....AUTO FOCUS | **(Page : 5-6)**<br><br>**3. Flange back check**<br><br>**Checking procedure:**<br>4) Adjust the focus using the focus knob.<br><br>**4. Picture frame setting**<br><br>**Switch setting:**<br>1) |

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